



Government of West Bengal
Agriculture, Forests and Fisheries Department

Annual Progress Report on Forest Administration in West Bengal

For the year 1947-48

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Introductory

It was originally intended to compile the report for 1947-48 in two volumes—one for Undivided Bengal for the period 1st April to 14th August 1947 and the other for West Bengal only for the period 15th August 1947 to 31st March 1948. In spite of our best efforts, facts and figures up to 14th August 1947 in respect of forests now included in Pakistan could not, however, be procured from the Conservator of Forests, East Bengal. The idea of a separate volume for part of the year for West Bengal only was not, therefore, considered necessary and the report for the whole year 1947-48 has been compiled in the same volume.

2. Demand for timber increased considerably and result of auction sale was satisfactory.

3. Movement of timber suffered very considerably due to the partition of the province and the connecting Railway lines falling in two dominions, as a direct result of which the coupe purchasers failed to dispose of their timber and outstanding of revenue at the close of the year was heavy.

4. The shortage of labour handicapped the departmental activities to a considerable extent and the consideration of introducing mechanical means to augment regeneration and exploitation work became apparent.

5. The following Post-War Development Schemes were undertaken during the year under report:—

Scheme No. 138.—Afforestation in the district of Nadia.

Scheme No. 139.—Rehabilitation of existing Government forests.

Scheme No. 140.—Training of technical and other personnel.

Scheme No. 141.—Conservation of private forests and afforestation of private waste lands.

Scheme No. 142.—Acquisition and afforestation of waste lands.

Scheme No. 143.—Improvement of communication, buildings and water supply in Government forests.

S. CHAUDHURI,

*Conservator-General of Forests,
West Bengal.*

The 25th November 1950.

Annual Progress Report on Forest Administration in West Bengal for the year 1947-48

[N. B.—The figures in brackets immediately following the figures for the year under report, are those for the previous years.]

CHAPTER I—CONSTITUTION OF STATE FORESTS.

1. Alteration in Areas (Form No. 7).

1. **Reserved Forests.**—The total area of Reserved Forests at the end of the year was 2,648 (2,648) square miles of which 2,629 square miles were under the Forest Directorate and 19 square miles under other Directorates and Departments.

The issue of the final notification under section 20 of the Indian Forest Act, 1927, for reservation of 344.59 acres of land in the Kalimpong Division as mentioned in the previous year's report was pending at the close of the year under report.

2. **Protected Forests.**—The area stood at 1(1) square mile in round of which 173 acres were under the Forest Directorate and the balance, viz., 370 acres under Military Department.

The proposal for the final transfer of a plot of land measuring approximately 26.46 acres of the Kalimpong Development Area to the Cinchona Directorate for a Cinchona Research Station remained to be settled at the close of the year.

3. **Leased Lands.**—The area stood at 1,207 square miles.

4. There were no Unclassed State Forests in West Bengal.

5. The Forest Directorate levied fees on the export of forest produce from 3 square miles of Khas Forests in the Jalpaiguri district.

6. The proposals for acquisition of land for afforestation in the district of Nadia which were pending at the close of the previous year did not mature owing to objections raised by some owners.

7. The total area of each class of forest and land at the close of the year and their percentage to the total area of the Province were as follows:—

Class of Forests.			Square miles.		Percentage of the total area of the Province, viz., 28,215 square miles (after partition).	
Reserved Forests	..	..	2,648	(2,648)	9.385	(9.385)
Protected Forests	..	..	1	(1)	0.004	(0.004)
Leased Land	..	..	1,207	(1,207)	4.278	(4.278)
			3,856	(3,856)	13.667	(13.667)

2. Forest Settlement (Form No. 8).

8. The settlement of 0.54 square mile of Dolepchan Ridge in the Kalimpong Forest Division which was pending at the close of the previous year remained pending at the close of the year under report.

3. Demarcation (Form No. 9).

9. The total length of boundaries of Reserved Forests which was 1,740 miles at the close of the previous year remained unchanged. Seven hundred and sixty-four (791) miles of the existing boundaries were repaired at a cost of Rs. 8,717 (Rs. 8,432).

Three miles of boundaries of unsettled State Forests in the Midnapore Division were artificially demarcated during the year at a cost of Rs. 218.

4. Forest Surveys (Form No. 10).

10. No special surveys were undertaken by the Survey of India. Local surveys by the forest staff were carried out as usual.

CHAPTER II—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management.

(a) Preparation and Control of Regular Working Plans (Form No. 11).

11. The prescriptions of the Working Plan for the Kalimpong Division lapsed. A five-year working scheme was sanctioned for this Division.

The revised working plans for the Jalpaiguri and Buxa Divisions were in the Press during the year under report. The prescriptions thereof were followed as far as practicable.

The prescriptions of the current working plans were followed in other Divisions as far as circumstances permitted and deviations were sanctioned as necessary.

(b) Preliminary Working Plan Report.

12. No preliminary working plan report was prepared or submitted during the year.

2. Communications and Buildings (Form No. 12).

(a) Roads and Bridges.

13. A total amount of Rs. 1,46,476 (Rs. 1,51,304) was spent on new constructions of roads, paths and bridges, of which Rs. 5,737 (Rs. 23,239) were spent on normal work and Rs. 1,40,739 (Rs. 1,28,065) on Post-war Reconstruction Projects.

The total expenditure on repairs to roads, paths and bridges was Rs. 97,012 (Rs. 84,117).

14. The length of roads and paths maintained at the close of the year was as follows:—

		Cart roads.		Bridle paths.		Other paths.	
		Miles.		Miles.		Miles.	
Northern Circle	..	642	(631)	612	(612)	124	(124)
Southern Circle	..	..	..	..	..	1	..
		642	(631)	612	(612)	125	(124)

(b) *Buildings.*

15. A sum of Rs. 4,90,459 (Rs. 3,25,491) was spent on new construction of buildings of which Rs. 28,652 (Rs. 32,408) were spent on normal work and Rs. 4,61,807 (Rs. 2,93,083) on Post-war Reconstruction Projects. The expenditure incurred on repairs to buildings amounted to Rs. 97,313 (Rs. 82,322), of which Rs. 81,473 (Rs. 73,986) were spent on normal work and Rs. 15,840 (Rs. 8,336) on Post-war Reconstruction Projects.

(c) *Other works.*

16. The expenditure incurred on other new works amounted to Rs. 96,395 (Rs. 27,906), of which Rs. 3,886 (Rs. 2,846) were spent on normal work and Rs. 92,509 (Rs. 25,060) on Post-war Reconstruction Projects. Rs. 29,370 (Rs. 20,390) were spent on the upkeep of compounds, wells, water-pipes, drainages, etc.

3. Protection of Forests.(a) *General Protection (Form No. 13).*

17. The following statement compares the offences recorded during the year with those of the previous year and the average of the preceding 3 years :—

Classes of offences.	Number of cases reported during 1947-48.				Number of cases reported during 1946-47.	Average of the preceding 3 years ending 1946-47.	Difference of columns 5 and 7.	Compensation realised.	Number of persons involved.	Average to each man.
	Taken into court.	Dealt with by Divisional Forest Officers.	Undetected cases.	Total.						
1	2	3	4	5	6	7	8	9	10	11
								Rs.		Rs. a. p.
Injury to forests by fire.	..	1	34	35	27	51	—16	21,245	3,502	6 1 0
Unauthorised felling	41	576	26	643	505	468	175			
Unauthorised grazing.	..	570	..	570	708	640	—70			
Other offences ..	20	1,025	12	1,057	1,174	1,159	—102			
Total ..	61	2,172	72	2,305	2,414	2,318	—13	..	..	....

The percentage of decrease, as compared with the average of the preceding three years, was 0.6. The decrease under "Injury to forest by fire" is attributed to favourable climatic conditions. The increase under "Unauthorised felling" was due to stricter control over the stealing of forest produce. Greater vigilance shown by the staff accounts for the decrease under other two categories.

18. The 1,057 cases under "other offences" consisted of:—

(i) Illicit removal of forest produce	...	424
(ii) Violation of conditions laid down in permits	...	113
(iii) Lopping of trees	...	27
(iv) Illicit hunting, shooting and fishing	...	59
(v) Miscellaneous	...	434
Total	...	<u>1,057</u>

19. The number of cases disposed of during the year was 2,246 involving 3,602 persons. These include 133 cases pending from the previous year. One hundred and twenty cases remained pending at the close of the year.

20. Cases taken to court numbered 130 of which 45 cases involving 95 persons ended in conviction and 86 cases remained pending. The punishment inflicted was on the whole adequate.

21. The Divisional Forest Officers compounded 2,184 cases involving 3,502 persons under section 68 of the Indian Forest Act, 1927. The total compensation realised was Rs. 21,245 which represents Rs. 9-11-8 per case and Rs. 6-1-0 per person as compared with Rs. 19,525 or Rs. 8-8-5 per case and Rs. 4-10-6 per person, respectively, in the previous year. Seventeen cases involving 22 persons were let off with warning.

(b) Fire Protection (Form Nos. 14 and 15).

22. Protective measures were undertaken on the same lines as in previous years, viz., clearing of lines, employment of patrols and early burning. The area under protection was 375,007 (375,041) acres. The recorded expenditure was Rs. 9,934 (Rs. 10,048) and the cost per square mile was Rs. 16-15-3 against Rs. 17-2-0 in the previous year.

There were 53 cases of fire which burnt 2,823 acres in the fire protection area. The percentage of success was 99.2 against 99.6 in 1946-47. No serious damage was done to the growing stock.

The Nepal and the Sikkim portions of the frontier fire lines were cleared as usual by the respective Durbans. The Darjeeling-Himalayan Railway Company cleared the fire traces above the Tista Valley Railway line from Gielle Khola to Riangu.

(c) Regulation of grazing by cattle (Form Nos. 16 and 17).

23. As in the previous year 2,482 square miles of forests were entirely closed to grazing, 164 square miles were open to grazing of non-browsers only throughout the year and 3 square miles for part of the year.

24. The number of cattle impounded during the year was 2,275 (3,182) against 2,848, the average of the preceding three years. The decrease was due to more active measures to prevent the cattle entering the forests.

Damage by cattle was not serious during the year under report.

25. The number of cattle stall-fed in the Darjeeling and Kurseong Divisions was 354 (295). The forest villagers and subordinates were, as usual, allowed to stall-feed their cattle within their respective compounds free of charge. There were 10 (10) Government bathans in the Darjeeling Division for stall-feeding during the year. In the Darjeeling Division monthly permits for collection of fodder for 1,539 (1,175) heads of cattle

were also issued during the year under report. Open grazing was confined to the Singalila and Tonglu Ranges and to cattle belonging to Keventer's Farm in Senchal Pasture of the Darjeeling Division.

(d) *Injuries from natural causes and protective measures undertaken.*

26. The damage done and measures undertaken whenever possible for the protection of forests against injuries from natural causes are described below :—

(I) *Insects*.—Seventeen Kimbu trees of girth between 4'-0" to 6'-1" were attacked by borers in Badamtam block in the Darjeeling Division. Arrangements were made to collect specimens of insects responsible for the attack and to send the same to the Forest Research Institute, Dehra Dun, for identification.

(II) *Borers and defoliators*.—The *sal* borer (*Hoplocerambus spinicornis*) did considerable damage to wind-fallen green *sal* trees in the Jalpaiguri and Buxa Divisions. Control measures were adopted as usual. Defoliators did a certain amount of damage to plantations in the Sukna Range in the Kurseong Division. *Utis* and walnut trees in older plantations in the Kurseong Range were noticed to have been attacked by borers in some cases.

(III) *Fungi*.—A few *sal* trees were found to have been attacked with *Polyporus shorae* in the Apalchand Range of the Jalpaiguri Division and in some older plantations in the Buxa Division.

(IV) *Loranthus*.—The pest continued in almost all the older plantations in the Buxa Division. It was cut out as far as funds permitted.

(V) *Weeds*.—Normal weedings in plantations were carried out. Invasion of *Assamlata* (*Eupatorium Odoratum*) in the Jalpaiguri Division was profuse wherever there was an opening in the canopy.

(VI) *Climbers*.—Climbers were cut in the usual way according to the prescriptions of the working plans as far as funds permitted, with beneficial effect.

(VII) *Wild animals*.—There was the usual damage by wild elephants, bisons, barking deer, monkeys, pigs and rats.

(VIII) *Earthquake*.—There was no damage during the year.

(IX) *Landslips*.—Landslips occurred in many places. Protective works of sorts designed to stabilise the land were carried out in different parts with good success. The measures consisted of construction of check dams, hand-packed stone walls, walls with concrete slab over them, cross drains, terracing, plugging cracks and crevices and diverting natural drainages. In addition planting and sowing of fast growing tree species were also taken up during the year under report.

(X) *Frost*.—Frost did considerable damage in younger plantations in the Darjeeling and Kurseong Divisions.

(XI) *Snow*.—Heavy snow-fall during the winter did some damages to younger outshoots in Singalila Range of the Darjeeling Division.

(XII) *Wind and Cyclone*.—A patch of high forests in South Bholka 5 and 6 within Bholka Range of the Buxa Division were badly damaged. A good lot of *sal* and other miscellaneous trees were uprooted and tops blown off.

(XIII) *Erosion*.—In the Buxa Division, Jainti and Phaskhawa blocks have been damaged due to change of river course. A patch of about 100 average class *sal* trees died being affected by Bala river on 21st mile line

on its eastern bank in Cheko 2. Considerable damage was done to Dhowla Bhutanghat road by Turturi river. There was some erosion along the eastern bank of the Torsa river causing damage to the Game Sanctuary and to Chilapata forest as a result of the change of the course of the Torsa. No other appreciable damage was noticed in any other Division during the year under report. One protection *bund* 920 ft. long was made along the north boundary of Hanskhali 2 in the Jalpaiguri Division to protect some plantations from overflowing by the Chel river.

CHAPTER III—SILVICULTURE.

I.—System of Management.

27. The areas under different Silvicultural systems during the year were as follows:—

Silvicultural systems.	Area in square miles.	Percentage of the total area.
(1) Clear-felling followed by artificial re-stocking	497	18.9
(2) Selection and improvement fellings ..	2,022	76.9
(3) Simple coppice	12	0.5
(4) Protection forests with no regular prescriptions for fellings	98	3.7
	<hr/> 2,629 <hr/>	<hr/> 100.0 <hr/>

II.—Afforestation and regeneration (Form No. 18).

28. Afforestation work was undertaken in the Kalimpong Division in two areas, viz., (i) Development Area Protected Forests and (ii) Dolepchan Slip Reserve comprising 173.03 and 188.18 acres respectively. The former block is composed of 16 small scattered plots of different sizes and the latter is a compact area.

Afforestation work started previously were continued during the year under report. The details of work carried out in each area are given below:—

(i) *Development Area Protected Forests*.—Apart from protective and punitive works, the raising of plantations by sowing and transplanting was carried out with fast growing species, e.g., *saur* (*Betula spp.*), *utis* (*Alnus nepalensis*), *pipli* (*Bucklandia populnea*), cherry, Indian chestnut and *Cupressus cashmeriana*, etc. So far an area of 143.27 acres (corrected figures) were planted up to date including 22 acres taken up during the year under report. The total cost of raising new plantation of 22 acres and maintenance of old areas by filling up vacancies, raising seedlings in nurseries and pay of menials, etc., was Rs. 2,402 (Rs. 2,303).

(ii) *Dolepchan Slip Reserve*.—The entire area was planted up previously, but due to slip, erosion and sinking down of the hill sides, failures occurred. In order to fill up those vacancies a nursery was maintained to raise seedlings for transplanting. Cleaning and filling up vacancies were undertaken during the year and the cost incurred was Rs. 1,478 (1,716) including pay of Mali. The fast growing species, such as *pipli* (*Bucklandia populnea*), *utis* (*Alnus nepalensis*) *saur* (*Betula spp.*), *khamakpa* (*Evodia spp.*), *malata* (*Macaranga spp.*), etc., were tried and the result so far received were satisfactory.

The protective and punitive works were also undertaken and the expenditure incurred was Rs. 2,410 (Rs. 2,587) apart from the maintenance of boundaries.

Muli bamboo rhizomes and seeds were introduced in both the Development area and Dolepchan Slip area during the year with promising results.

29. Under Development Schemes a few proposals for acquisition of land for the purpose of afforestation have been submitted to Government. Pending completion of acquisition proceedings 30 acres of land were planted up with the consent of the land owners in Nadia district. The species planted are *minjiri* (*Cassia siamea*), *teak* (*Tectona grandis*), *sisu* (*Dalbergia sissoo*), *babul* (*Acacia arabica*) and *nim* (*Melia indica*).

III.—Establishment of Reproduction (Form No. 18).

(a) Mainly natural.

30. Natural regeneration of *sal* (*Shorea robusta*) was practically absent during the year. Regeneration of miscellaneous species was noticed in some places in the Jalpaiguri Division. *Khair* (*Acacia catechu*) and *sisu* (*Dalbergia sissoo*) seedlings were seen coming up in silted river beds specially where there are thick "kush" grass.

(b) Mainly artificial.

31. There was no change in the main method of regeneration which continued to be clear-felling followed by artificial restocking.

IV.—Tending.

32. Climber cutting, weeding, thinnings and general upkeep of the existing plantations were carried out as far as funds and labour permitted.

33. **Cost.**—The total cost of afforestation and regeneration operations including the upkeep of existing plantations was Rs. 1,88,316 (Rs. 1,46,803).

34. **General.**—It was a good seed year for most of the species prescribed for artificial regeneration, especially *sal*, *jarul*, *champ*, *panisaj*, *puccasaj*, *utis*, *saur*, *buk* and *phalant*.

CHAPTER IV.—EXPLOITATION.

35. **Outturn of forests produce (Form Nos. 19 and 20).**—The following statement shows the total outturn of forest produce:—

Particulars.		1947-48.		1946-47.	
Timber (in thousands of c.ft.)	..	....	3,780		3,705
Fuel (in thousands of c.ft.)	..	..	15,056		12,445
		Number or quantity.	Value. Rs.	Number or quantity.	Value. Rs.
Minor Forest Produce.					
Bamboos (Nos. in thousands)	..	..	1,490	1,565	10,484
Golpatta (maunds)	..	..	36,685	2,499	1,664
Other types	..	..	1,79,291	..	1,07,633

The increase under timber and *golpatta* was due to increased facilities for transport than those in the previous year.

The increase under fuel was due to more demand for charcoal and fire-wood owing to scarcity of coal specially in the Darjeeling and Jalpaiguri districts.

The decrease in quantity of bamboos sold was due to less demand. The increase in value was due to enhancement of the scheduled rate of royalty with effect from the 1st January 1948.

The increase in revenue for other kinds of produce was partly due to enhancement of the scheduled rates of royalty with effect from the 1st January 1948 and partly to the directorial manufacture of *khair* during the year in the Buxa Division.

36. Extraction by departmental agency (Forms Nos. 21 and 22).—(1) Timber.—The following statement shows the outturn of timber extracted departmentally during the year and the approximate financial results, neglecting outstandings and end of the year adjustments:—

Particulars.	Northern Circle.	Southern Circle.	Total for Undivided Bengal.	
			1947-48.	1946-47.
	C.ft.	C.ft.	C.ft.	C.ft.
(i) Cut or extracted or otherwise received into departmental stock.	529,684	67	529,751	505,158
	Rs.	Rs.	Rs.	Rs.
(ii) Corresponding expenditure on departmental extraction (A1a).	4,76,428	..	4,76,428	4,14,152
	As. p.	As. p.	As. p.	As. P.
(iii) Approximate average direct cost per c.ft.	14 5	.. ..	14 5	13 1
	C.ft.	C.ft.	C.ft.	C.ft.
(iv) Sold or otherwise disposed of ..	596,835	67	596,902	601,068
	Rs.	Rs.	Rs.	Rs.
(v) Value of sales of departmentally extracted timber (Form 26-RIa).	7,28,036	31	7,28,067	9,65,974
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
(vi) Approximate average price per c.ft.	1 3 6	0 7 5	1 3 6	1 9 9
	0 5 1	0 7 5	0 5 1	0 12 8
(vii) Average gross surplus per c.ft. ..	0 5 1	0 7 5	0 5 1	0 12 8

(2) *Fuel, bamboos and minor produce.*—The following table shows the results on the year's working:—

Particulars.	Northern Circle.	Southern Circle.	Total for West Bengal.	
			1947-48.	1946-47.
	Rs.	Rs.	Rs.	Rs.
(i) Value of sales of fuel, bamboos and minor produce extracted departmentally (Form No. 26).	1,09,544	..	1,09,544	1,23,106
(ii) Expenditure on departmental extraction of fuel and minor produce.	1,53,390	..	1,53,390	1,01,406
(iii) Net gross surplus (+) or deficit (—)	—43,846	..	—43,846	+21,700

37. Siliguri Sawmill.—The mill continued to work satisfactorily during the year in that its working resulted in a net profit of Rs. 3,33,408-2-9 against Rs. 2,43,210-12-11 in 1946-47, Rs. 2,55,878-10-8 in 1945-46, Rs. 1,40,036-1-6 in 1944-45, Rs. 1,10,467-0-7 in 1943-44, Rs. 25,976-5-2 in 1942-43 and Rs. 19,304-9-3 in 1941-42. The increase in profit was due to increased rate of sawn timber sold from the mill. The cost of production went up from 11-10 annas per c.ft. in 1946-47 to 13-76 annas in 1947-48 mainly due to rise in the cost of extraction of timber.

The mill was run as economically as possible and practically without any breakdown. It was, however, necessary to keep it closed for 45 days in the rainy season for want of logs which could not be brought to the mill from forests due to heavy rains and to difficulty in obtaining carts and railway trucks for transport.

The total outturn of sawn timber from the mill was 171,986;19 c.ft. (184,193 c.ft.) and the loss in conversion was 23-97 per cent. (26-43 per cent.). The decrease in wastage was due to the logs being sawn into all possible utilisable sizes.

The closing stock of sawn timber on the 31st March 1948 stood at 71,745-68 c.ft. (53,811 c.ft.). The increase in the closing stock is due to progressive restrictions imposed on railway transport of timber from Siliguri almost since the partition of Bengal.

A total of 245,884-60 c.ft. of round logs were issued to the mill for sawing against 250,396 c.ft. during 1946-47 and 14,859-91 c.ft. of round logs were sold for Rs. 20,560-3 against 606 c.ft. for Rs. 174-15 during 1946-47.

38. Extraction by purchasers.—(1) *Timber and fuel.*—Timber and fuel were sold by auction, at valuation based on estimated outturn and royalty rates and also on permits at scheduled rates. The following statement summarises the years working results neglecting outstandings and end of year adjustments:—

Particulars.	Northern Circle.	Southern Circle.	Total for West Bengal.			
			1947-48.		1946-47.	
<i>Timber.</i>						
(i) Volume extracted by Purchasers in thousands of cubic feet.	1,868	1,371	3,239		3,187	
	Rs.	Rs.	Rs.		Rs.	
(ii) Revenue realised from sale of timber to purchasers (Form No. 26-RIIa).	27,67,947	83,515	28,51,462		18,09,604	
	Rs. a. p.	Rs. a. p.	Rs. a. p.		Rs. a. p.	
(iii) Average rate of royalty realised per cubic feet.	1 7 8	0 1 0	0 14 1		0 9 1	
<i>Fuel.</i>						
	Rs.	Rs.	Rs.		Rs.	
(i) Volume extracted by purchasers in thousands of cubic feet solid.	13,052	1,166	14,208		11,629	
(ii) Value of sales of fuel to purchasers (Form No. 26 RIIf).	4,59,762	54,264	5,14,026		3,47,899	
	Rs. a. p.	Rs. a. p.	Rs. a. p.		Rs. a. p.	
(iii) Approximate average royalty 100 cubic feet stacked or 50 cubic feet solid.	1 11 11	2 5 7	1 12 11		1 7 11	

(2) *Minor produce.*—Bamboos and other minor produce were sold to purchasers mostly under permits at scheduled rates. Details of revenue received on the various items have been shown in Annual Form No. 20. A total sum of Rs. 1,13,438 (Rs. 1,09,189) was realised on sales during the year.

39. **Rights and privileges.**—There are no rights over the Reserved Forests under the management of the Forest Directorate but in the Kalimpong Division there are many concessions. The Manager of the Government Cinchona Plantation at Munsong and Rongo enjoys the privileges of issuing himself free permits for forest produce required for his plantation. The Khasmahal tenants obtained free supplies of leaf-mould and were allowed grazing at concession rates. The Khasmahal *mondals* were allowed free grazing of 7 cows per head.

The grazing permits issued to Khasmahal tenants at concession rates fetched a revenue of Rs. 4,510 during the year under report against Rs. 3,411 of the previous year. The estimated royalty on grazing that would have accrued if they were charged at full royalty rates would have been Rs. 15,842 against Rs. 10,229 during 1946-47. The difference, therefore, amounts to Rs. 11,332 against Rs. 6,818 of the previous year.

In the Buxa Division certain jotedars were allowed to graze their elephants in the Reserved forests at a nominal fee of Re. 1 per annum per elephant and they in return helped the Directorate with the elephants and labour as and when necessary free of charge. The value of these permits at full rates is Rs. 274.

40. **Free grants, etc.**—The following statement shows the quantities and/or value of forest produce given away free or at concession rates as compared with the previous year and furnishes the information required under the Inspector-General of Forests' Circular No. 9-113-7, dated the 26th June 1911:—

Particulars.	Timber.		Fuel.		Bamboos.		Grass and grazing. Value.	Other minor produce. value.	Total value.
	C.ft.	Value.	C.ft.	Value.	Nos.	Value.			
		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Right holders ..	..	..	..	..	..	..	..	..	..
Free grantees ..	11,315	2,487	332,587	9,585	57,880	3,571	3,922	1,161	17,512
Grant at concession rates.	..	..	..	..	..	..	9,020	..	9,020
Total ..	11,315 (13,308)	2,487 (551)	332,587 (276,084)	9,585 (6,703)	57,880 (13,075)	3,571 (91)	12,942 (9,107)	1,161 (1,824)	26,532 (18,276)

41. The estimated value of free grants of forest produce and grazing made to forest villagers during the year in return for free labour supplied in sowing, planting, weeding, etc., in plantation is shown in the following statement:—

Division.	Timber.	Fuel.	Bamboos.	Grazing and fodder.	Minor produce.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Darjeeling ..	25	2,404	638	1,321	120	4,508
Kalimpong ..	1,449	2,064	357	3,043	668	7,581
Kurseong ..	..	278	..	6	..	284
Jalpaiguri ..	119	844	..	206	15	1,184
Buxa ..	919	1,424	..	608	478	3,429
Total ..	2,512	7,014	995	5,184	1,281	16,986
	(2,007)	(5,344)	(747)	(2,860)	(940)	(11,898)

CHAPTER V—FINANCIAL RESULTS.

42. The following statement summarises the revenue and expenditure during 1947-48:—

Particulars.	1947-48.		1946-47.	
	Rs.	Rs.	Rs.	Rs.
Revenue	45,91,022	34,61,003
Expenditure—				
A—Conservancy and Works	22,30,097	17,17,266
Deduct—AVIII—Amount recoverable from other Governments, Departments, etc.	4,50,676	5,15,686
Net Expenditure under "A"	17,79,421	12,01,580
B—Establishment	14,29,772	13,01,786
D—Charges in England	35,153	88,530
F—Development Programmes	10,64,653	7,75,410
Total Net Expenditure	43,08,999	33,67,306
Surplus	2,82,023	93,697

43. The prescribed analysis of the receipts and expenditure shows that of the receipts 91·7 (92·7) per cent. came from major produce, 2·1 (2·5) per cent. from minor produce, 0·6 (0·6) per cent. from grazing, 6·2 (4·8) per cent. from miscellaneous sources and 0·6 (0·6) per cent. went out as refunds, while of the expenditure 20·3 (17·7) per cent. was incurred on extraction, 6·8 (7·7) per cent. on roads and buildings, 0·2 (0·3) per cent. on fire protection, 3·0 (3·1) per cent. on cultural operations, 2·0 (1·4) per cent. on livestock, stores and plant, 0·1 (0·2) per cent. on working plans, 8·9 (5·3) per cent. on miscellaneous works, 33·2 (38·7) per cent. on administration, 0·8 ((2·6) per cent. on charges in England and 24·7 (23·0) per cent. on special development programmes.

44. The outstanding revenue at the close of the year amounted to Rs. 18,84,881 against Rs. 2,98,085 at the beginning, vide A.R. Form No. 36 for the year.

45. The balance of timber, fuel, bamboos and other minor produce in stock at forest and sales depots and the value thereof are shown in forms Nos. 21 and 22. The net difference in favour of the year was Rs. 1,92,672.

46. Form No. 23 which is an abstract of the value of live and dead stock shows a balance of Rs. 17,81,593.

47. The outstanding due by contractors and disbursers amounted to Rs. 8,664 at the commencement and Rs. 20,181 at the close of the year, vide A.R. Form No. 27 for the year.

CHAPTER VI—RESEARCH AND EXPERIMENTS.

Silviculture.

48. (1) **General.**—The year's work was carried out in accordance with the quinquennial programme sanctioned for the period—April 1945 to March 1950.

Consequent on the partition of Bengal, the Chittagong, the Chittagong Hill Tracts, the Dacca-Mymensingh and the greater part of the Sundarbans Forest Division were lost to the Indian Union by transfer to the Pakistan Dominion on August 15th, 1947. After the partition, the activities of the Silvicultural Divisions were extended to the dry and highly eroded western belt bordering Bihar and Orissa.

49. (2) **Experimental Silviculture.**—(I) *General.*—Experiments on the natural regeneration of *sal* (*Shorea robusta*) were continued in different types of forests in 13 Experimental Plots, 32 Sample Plots, 2 Diameter Increment Plots and 7 Linear Sample Plots were remeasured, while the surrounds of 36 Sample Plots, 2 Diameter Increment Plots, 22 Preservation Plots and 8 Linear Sample Plots were laid out during the year.

One new Sample Plot to study the volume increment and development of *Phoebe haincsiana* (*angare*), one new Experimental Plot to study the growth of the existing reproduction and progress of recruitment in littoral forest and four temporary Sample Plots for one year only for the determination of the volume outturn of firewood in 5 and 8 year old *sal* coppice coupes, were laid out during the year. Experiments were continued in the nurseries and gardens at Takdah and Sukna while one new nursery and garden was opened at Arabari in the Midnapore Division.

(II) *Natural Regeneration.*—(A) *Sal (Shorea Robusta) Forests.*—Experiments with the natural regeneration of *sal* (*Shorea robusta*) forests of various types were continued and no new experiments were undertaken. All the experimental plots could not be treated according to prescriptions for want of staff and labour during the war and in consequence most of them suffered a set-back, and an invasion of evergreen species resulted to the detriment of the *sal* (*Shorea robusta*) reproduction. The plots started showing a slight improvement from 1946-47 with the improvement in the position of staff and labour. In spite of the set-back suffered, a satisfactory percentage of young reproduction exists and it can be confidently expected that the young seedlings will soon get established provided a continuity in the treatment is maintained.

The Divisional experiments have proved quite successful and the seedlings have become established with the gradual opening up of the canopy and rains-weeding combined with fire protection.

At Sukna in the Kurseong Division a 24-acre plot has become fully stocked with natural *sal* (*Shorea robusta*) and *toon* (*Cedrela toona*). Last winter the crop was given a "C" grade thinning at its 10th year.

The experiments in progress in the Bhabar tract at Raimatong in the Buxa Division continued to show promise.

(B) *Riverain Forests*.—No experiments were in progress in this type of forest, and no fresh ones were taken up.

(C) *Tidal Forests*.—An Experimental Plot of 10 acres was laid out during the year on a mud-bank in the sea coast at Alampur in the Midnapore Division to study the progress of recruitment and the growth of existing young reproduction of littoral species, mostly *white baen* (*Avicennia alba*) and *goran* (*Cerops roxburghiana*) with a sprinkling of *genwa* (*Excaecaria agallocha*) and *keora* (*Sonneratia apetala*). The area is exposed to heavy grazing by cattle and in consequence the seedlings do not get a chance to shoot up. Nothing more than partial results may be expected as it is hardly possible to provide the seedlings with an effective protection against cattle.

(D) *Assisted Natural Regeneration*.—Experiments with broadcasting of seeds of various fast-growing (mainly firewood) species in fuel coppice coupes followed by rains-weeding showed satisfactory results where timely and intensive cleanings could be given.

Experiments with the broadcasting of *sissu* (*Dalbergia sissoo*) seeds on sandy river beds and on the newly formed sandbanks in the Jalpaiguri Division failed to show any satisfactory results.

(III) *Seeds*.—The year under report was a good seed year for both *sal* (*Shorea robusta*) and miscellaneous species.

(IV) *Nursery and Garden Work*.—Relative tests were carried out while the relative suitability of shaded and unshaded beds, the relative merits of direct sowing, of planting out in the rains and in winter and of stump-planting for both indigenous and exotic species were under routine investigation in the silvicultural nurseries and gardens both at Takdah and at Sukna.

(V) *Artificial Regeneration*.—(A) *Wet Plains Sal* (*Shorea robusta*) *Forests (Eastern Terai Type)*.—(1) *Plantation-grown sal* (*Shorea robusta*) continued to do very well in all the Sal Divisions of Northern Bengal and specially on well-drained soils.

The infestation of *loranthus* continued in a large number of the older plantations of the Jalpaiguri Division, but it was not on a similar scale in the older *sal* (*Shorea robusta*) plantations of other Divisions.

(2) *Jarul* (*Lagerstroemia flos-reginae*) continued to be regarded as the best timber species for restocking the low-lying and water-lodged areas. Teak (*Tectona grandis*) was tried with success, though on a small scale, in the drier types of *sal* (*Shorea robusta*) forest.

(3) *Softwood species*, viz., *pitali* (*Trewia nudiflora*) and *simal* (*Gossampinus malabaricus*) in admixture with *lasani* (*Dysoxylum spp.*) as an auxiliary species on comparatively better-drained soils and *kadam* (*Anthocephalus indicus*) on worse-drained soils continued to be used successfully in the Buxa Division in replacing the wet mixed *sal* (*Shorea robusta*) forests of extremely poor qualities.

(B) *Upper Middle and Lower Hill Forests of the Darjeeling district*.—(a) *Upper Hill Forests* (6,000' to 8,000' altitude).—*Larix leptolepis*, *Alnus incana*, *Pinus thunbergii*, *Thuja plicata* were among the exotics which were showing promise at Ramam (altitude 7,958' and average rainfall 80 inches).

Cupressus spp. continued to do very well in the 1939 plantation at Batasi. Stump-planting of local oaks (*Quercus lineata* and *Quercus lamellosa*) proved a failure here owing to a heavy incidence of frost.

(b) Middle Hill Forests (from 3,000' to 6,000' altitude).—*Oakes* (*Quercus lamellosa* and *Quercus lineata*), *bajrant* (*Quercus semiserrata*), *champ* (*Michelia excelsa*), *kapasi* (*Acer campbellii*), *kawla* (*Machilus* spp.), *toon* (*Cedrela febrifuga*) and *panisaj* (*Terminalia myriocarpa*) sown direct in interrupted contour ledges succeeded very well.

(c) Lower Hill Forests (500' to 3,000').—*Teak* (*Tectona grandis*) continued to show very good results in the Tista Valley Forests of the Kurseong and Darjeeling Divisions.

(VI) *Reclamation and Afforestation*.—(a) *Malita* (*Macaranga pustulata*) and *Lepcha kawla* (*Mechilus gammieana*) sown broadcast in 1946 at the Dolepchan slip and the Development area at an altitude of 4,000' to 5,000' in the Kalimpong Division were doing well and had shown fairly rapid growth.

Bakain (*Melia azedarach*), *khanakpa* (*Evodnia fraxinifolia*), cherry (*Prunus cerasodes*) sown direct at stake in the Development area gave a good germination per cent., and the seedlings were doing well at the close of the year.

Muli bamboo (*Melocarpus bambusoides*) of Chittagong origin raised from seeds during June 1947 had attained an average height of 4 feet in 10 months and were healthy and vigorous.

(b) Afforestation of waste lands and the prevention of soil erosion in the Midnapore district.—Seeds of *Melia azadirachta*, *Shorea robusta*, *Cassia siamea*, *Acacia arabica*, *Pongamia glabra*, *Albizzia lebbek* and *Enterolobium saman* were sown direct in one foot contour line over 40 acres on the crest of folds and in 10 feet contour lines over 355 acres on the trough of folds at Arabari with an altitude of 170' and a rainfall of 56". The hard crust of the soil was broken in lines before the seeds were sown and the plants came up very well, but as no protection against cattle could be afforded the damage from browsing was very considerable, but the species used being all hardy to the factors of the locality the survival per cent. at the close of the year was quite satisfactory.

Arrangements were being made at the close of the year to provide the 1948 plantation area with a ditch fence and a series of shallow contour drains to check erosion from surface drainage and force the rain water to percolate into the soil. The distance between these contour trenches will be in the inverse relation with the degree of gradient of the slopes.

(c) Afforestation of semi-consolidated sand dunes at Digha on the beach in the Midnapore Division.—Nursery-raised seedlings of *Casuarina equisetifolia*, *Acacia moniliformis*, *Anacardium occidentale* and *Calophyllum inophyllum* were planted out successfully on the pure sand hills. Watering was found essential. *Casuarina equisetifolia* and *Acacia moniliformis* proved very successful.

(VII) *Thinning*.—Thinnings continued to be carried out according to the prescriptions laid down in Working Plans.

(VIII) *Mixtures in Plantations*.—Silvicultural and Divisional experiments were continued.

(IX) *Underplanting*.—Nil.

(X) *Miscellaneous*.—*Forest Botany*.—As usual, specimens of doubtful and unknown plants continued to be sent to the Forest Botanist, Dehra Dun, and the Curators of the local Herbariums for identification.

Forest Entomology.—A graveyard test for the determination of vulnerability to termite attack was made at Sukna in the Kurseong Division with planks of *Cryptomeria japonica*, *Cedrela toona*, *Sterculia villosa*, *Bombax malabaricum* and *Adina corodifolia*. In spite of heavy rains all the species were gradually attacked within 3 weeks. *Cryptomeria* succumbed first and was attacked at the end of the first week.

Forest publicity.—A beginning was made with the effort to enlighten the general public on the utility of forests and its effect on climate, rainfall, flood and soil erosion.

To encourage villagers to grow more trees 30,000 nursery-raised seedlings of *Casuarina equisetifolia*, *Eugenia* spp., *Acacia moniliformis* and *Albizia lebbek* were distributed free to the public from the Contai nursery of the Midnapore Division.

50. (3) **Working Plans and Statistics.**—(I) *Working Plans.*—The compilation and revision of Working Plans and the checking of control forms continued to be done in the Working Plans Division.

(II) *Statistics.*—Records of all measurements of silvicultural plots visited during the year and requiring computation of volume figures and analysis were sent to the Central Silviculturist, Forest Research Institute, Dehra Dun, for the purpose. Copies of notes and observations on experimental plots were also sent to him.

(III) *Miscellaneous.*—There were altogether 240 silvicultural research plots at the close of the year.

There were 115 General Ledger files, 145 Specific Ledger files, 213 General Photo files and 321 Specific Photo files at the close of the year and an equal number of Ledger and Photo files were taken away by the Eastern Pakistan Government as their share. Some progress was made in marking literature, etc., for ledger filing which has been in arrear for many years.

51. (4) **Utilisation.**—Owing to the abnormal consumption of timber during the war for the last few years there has been a general famine in the timber market. Consequently, the price of timber has gone up and the position of supplies is also becoming very acute. The other shortcomings in the matter of timber supplies are the shortage of railway wagons for moving timber to the actual place of industries. The purchase orders placed with this Directorate could not yet be worked to its full. As a result a huge quantity of *sal* (*Shorea robusta*) logs produced for supplies to the Railways could not be completed.

The following is a statement showing the orders received for supply to the Railways, Ordnance Factories and other Departments of the Provincial Government and also the balances that remained outstanding at the beginning and at the close of the year:—

			Opening balance at the beginning of 1947-48.	Orders received during 1947-48.	Quantity supplied during 1947-48.	Balance at the close of 1947-48.
			Tons.	Tons.	Tons.	Tons.
Sawn	..	..	728	517	88	429
Logs	..	..	2,930	..	1,204	1,726

The Utilisation Division also functions as a Liaison Organisation of the Forest Directorate of West Bengal in the matter of sleeper supplies to the Railways. The following is a statement showing the position of sleeper supplies during the year under report:—

Balance brought forward from.	Orders received during 1947-48.	Total.	Quantity supplied in 1947-48.	Balance at the close of the year 1947-48.
37,872 Nos.	136,107 Nos.	173,979 Nos.	44,089 Nos.	129,890 Nos.
1,705 tons.	4,743 tons.	6,448 tons.	1,651 tons.	4,797 tons.

The Railway Board sanctions annually a lump sum grant in favour of the Divisional Forest Officer, Utilisation Division, for paying up price of sleeper supplied by this Directorate on behalf of the Financial Adviser and Chief Accounts Officer, Bengal-Nagpur Railway, for facility of prompt payment and adjustment by transfer of the forest revenue of respective sleeper-supplying divisions on this account. During the year under report Rs. 3,76,724-7 was sanctioned for this purpose.

The systematic investigations in connection with the best possible utility of forest products were undertaken as usual with the Forest Research Institute. Principally the testing of timber to find out the suitability for various requirements such as manufacture of Shuttles, Textile and Jute Mill Accessories, Bobbins, Plywood and Agricultural Implements were undertaken as and when require.

During the year under report the question of testing of *Cryptomeria* for paper pulp was taken up with the Forest Research Institute and Colleges, Dehra Dun, but no definite test could be made during the year for want of fresh samples of wood. As this timber forms a part of the most important ones in Darjeeling Hills we should try our best to make a thorough experiment as regards making the best use of the timber in question. The matter is still lying pending with the Research Institute. A question was also raised during the year as to bring out this timber in the market as a substitute for box planking timber in the Calcutta market.

The demand of boxwood species in Calcutta is so high that practically any kind of soft timber will find a good market on this account. Efforts are being made to bring the hitherto unknown or unutilisable species in the market.

The demand for bobbin wood and plywood is also very acute in Calcutta and other parts of the province. It has been noticed that amongst other species *bahera* (*Terminalia belerica*) and *amra* (*Spondias manglefera*) are being used as plywood. Consequently efforts are also being made to bring many similar species into the market for use as plywood and bobbin wood.

During the war there has been a tremendous consumption of miscellaneous softwood timber even from village forests and as a result there has been a timber famine everywhere. On the other hand along with the development of local industries of plywood, box planking, match wood and bobbin wood it has been felt that majority of the "Kukat" timber which were neglected in the past in our forests will find a better market and that we should endeavour to bring them out to float in the timber market to help the above industries.

The following timbers that were sent to the Utilisation Officer, Forest Research Institute, Dehra Dun, for testing their suitability for various

kinds of mill accessories, viz., Shuttles, Bobbins, Picking Sticks, etc., have not yet been tested. The Institute has, however, been requested to take up the investigation as soon as possible:—

- (a) *Chukrasia tabularis* (Chikrassi).
- (b) *Gmelina aborea* (Gamari).
- (c) *Sonnertia apetala* (keora).

The proposal for the establishment of a minor forest product branch of the Utilisation Division has been pending since 1945 and it has not yet been finally approved by Government. The establishment of this branch is of vital importance to develop the industries by the improvement of the existing resources of minor forest products.

During the later part of the year under review there has been a historic exhibition in the name of All-India Exhibition in Calcutta. This Directorate took an active part and erected a stall with most appreciable exhibits with a view to educate the country as to the best use of forest wealth. It was very successful.

The demand for timber from the Ordnance Factories, Engineering Department, viz., Communications and Buildings and Irrigation and Waterways and Civil Consumers including District Boards and Municipalities became high in connection with the post-war reconstruction schemes. In consequence, the increased activities of the Utilisation Division continued as usual.

In addition to the normal activities of this Division the control of movement of timber by rail remained as one of the important activities of this Division and continued till the end of the year.

CHAPTER VII—ADMINISTRATION.

52. Chief Conservator of Forests/Director of Forests, West Bengal.—

The post of the Chief Conservator of Forests was retained up to the 31st December 1947 and it was held by Mr. T. M. Coffey, C.I.E., I.F.S., up to the date. With effect from the 1st January 1948 a permanent post of Director of Forests was created under Government of West Bengal, Agriculture, Forests and Fisheries Department, Forest Branch, memorandum No. 1990, dated the 18th December 1947. This post was held by Sri S. Chaudhuri, I.F.S., from 1st January 1948 to end of the year. The Director was the connecting link between the Forest Directorate and Government. The three Research Divisions, viz., Silvicultural, Working Plans and Utilisation Divisions were under the direct control of the Director.

53. **Charges of forest circles.**—(i) *Northern Circle.*—The following officers held charge during the year:—

- (a) Mr. F. J. A. Hart, O.B.E., I.F.S., from 1st April 1947 to 14th August 1947.
- (b) Sri J. N. Sen Gupta, W.B.S.F.S., from 15th August 1947 to 31st August 1947.
- (c) Sri S. Chaudhuri, I.F.S., from 1st September 1947 to 23rd September 1947.
- (d) Sri N. Pal, I.F.S., from 24th September 1947 to 30th November 1947.
- (e) Sri S. Chaudhuri, I.F.S., from 1st December 1947 to 30th December 1947.
- (f) Sri J. N. Sen Gupta, W.B.S.F.S., from 31st December 1947 to 13th January 1948.
- (g) Sri J. C. Nath, I.F.S., from 14th January 1948 to end of the year.

(ii) *Southern Circle*.—The following officers held charge during the year:—

- (a) Mr. S. J. Curtis, O.B.E., M.C., I.F.S., from 1st April 1947 to 14th August 1947.
- (b) Sri N. Pal, I.F.S., from 15th August 1947 to 23rd September 1947.
- (c) Sri S. Chaudhuri, I.F.S., from 24th September 1947 to 30th November 1947.
- (d) Sri N. Pal, I.F.S., from 1st December 1947 to end of the year.

54. **Cadre of West Bengal Senior Forest Service**.—The following probationary Assistant Conservators of Forests joined the West Bengal Senior Forest Service during the year on completion of their training at Dehra Dun:—

- (1) Sri Barindra Nath De.
- (2) Sri Jayanta Kumar Ganguli.
- (3) Sri Subal Sakha Mondal.

55. **Reorganisation of the Subordinate Forest Service**.—A proposal to this effect was under consideration of Government.

56. **Divisional Permanent Clerical Staff**.—Proposals for the increase of the cadre of permanent clerical posts were under consideration of Government.

The proposal for the creation of permanent posts of Accountants in Divisional Forest Offices was also under consideration of Government at the end of the year.

57. **West Bengal Forest School**.—Out of 40 students for 1946-47 course, one Pempa Hishay of Sikkim State could not follow the lectures. He was sent back as desired by the Forest Manager of Sikkim State. The remaining 39 students appeared at the final examination. Of them 29 passed and 10 failed. The standard of the class was up to the average.

During 1947-48 forty-two students were deputed for training but 18 Pakistan students and 3 others left the school before completion of the course. Twenty-one students were therefore eventually trained.

Since 15th February 1948 a batch of Forest Guards 20 in number joined the School Camp at Sukna for getting proficiency in Nursery and Plantation work.

Mr. E. A. Modder, I.F.S. (Retd.), held charge of the School Division up to the 19th February 1948. Sri B. C. Roy Chaudhuri, A.F.O., took over charge of the Division from 20th February 1948 and held charge up to the end of the year.

58. **Creation of New Divisions**.—The Bankura Division was created with effect from the 1st October 1947 under Government order No. 614-For., dated the 6th October 1947.

The portion of the Sundarbans Forest Division falling in West Bengal after partition of the Province was constituted to be a Division known as 24-Parganas Division under Government order No. 4430-For., dated the 9th July 1948.

59. **Retirement, Casualties, etc.**—(i) *Gazetted Officers*.—The following officers proceeded on leave preparatory to retirement during the year mainly due to partition of Bengal:—

- (i) Mr. T. M. Coffey, C.I.E., I.F.S.
- (ii) Mr. S. J. Curtis, O.B.E., M.C., I.F.S.
- (iii) Mr. F. J. A. Hart, O.B.E., I.F.S.
- (iv) Mr. R. I. Macalpine, I.F.S.

Sri K. T. Wangdi, Acting Assistant Forest Officer, died on the 14th February 1948.

Sri U. K. Khasnobis, Acting Assistant Forest Officer, retired from Government Service on the 16th February 1948.

(ii) *Subordinate and clerical establishments.*—The casualties of the year were as follows:—

Particulars.	Forest Rangers.	Deputy Rangers.	Foresters and Overseers.	Forest Guards.	Peons, orderlies, dakwallas, chaukidars, etc.	Clerks.	Grass-cutters.	Total.
(1) Died ..	1	..	..	3	..	..	..	4
(2) Retired ..	..	..	..	2	1	..	..	3
(3) Resigned ..	..	..	5	1	12	1	..	19
(4) Dismissed ..	..	..	1	1	1	..	..	3
(5) Services dispensed with.	..	..	5	2	20	..	4	31
Total ..	1	..	11	9	34	1	4	60
	(4)	..	(16)	(52)	(11)	(3)	(1)	(87)

60. The relation between revenue and forest officials was, as usual, cordial.

CHAPTER VIII—GENERAL.

61. **Forest Villages.**—The following permanent and temporary forest villages were maintained during the year:—

Division.	Villages.				Houses.				Area.			
	1947-48.		1946-47.		1947-48.		1946-47.		1947-48.		1946-47.	
	Permanent.	Temporary.	Permanent.	Temporary.	Permanent.	Temporary.	Permanent.	Temporary.	Permanent.	Temporary.	Permanent.	Temporary.
	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Acres.	Acres.	Acres.	Acres.
Darjeeling ..	23	15	19	18	291	108	247	190	707	199	506	146
Kalimpong ..	8	10	8	13	157	212	143	260	173	249	173	270
Kurseong ..	22	4	19	6	377	20	368	74	577	54	433	157
Jalpaiguri ..	41	..	38	..	576	..	590	..	2,573	..	2,906	..
Buxa ..	37	..	36	..	782	..	794	..	4,411	..	4,861	..
Total ..	131	29	120	37	2,183	340	2,142	524	8,441	502	8,969	573

62. **Elephants.**—There were 11 (11) elephants in the Northern Circle at the close of the year. The condition of the elephants was generally good except for two cases of sore-backs for the last few years and one case of abortion last year.

63. **Steam and motor launches and flats.**—There was one motor launch on hand for Basirhat Range at the commencement of the year 1947-48 in the 24-Parganas Division but it was in the custody of the Eastern Pakistan Government after partition of the Province on the 15th August 1947. One Tanac Tug was purchased at a cost of Rs. 1,16,000 during the year.

64. **Wild Birds and Animals Protection Act.**—One case of illicit shooting of a female deer was reported during the year in the Darjeeling Division.

65. **Death and injury caused by wild animals.**—One person was reported to have been mauled by bear in Rambh Forest in the Darjeeling Division. One man, a forest villager and 10 cattle were killed by tiger in the Kurseong Division. Two persons were killed by wild elephants and one forest villager was killed by a male sambur in the Jalpaiguri Division.

Six ponies and several cattle were killed by tigers in the Northern Circle.

66. **Wild animals killed.**—The following statement shows the number of wild animals shot in the Forest areas during the year:—

All-India Serial No.	Species.				Number killed during 1947-48.	Average of last 5 years.
1a	Tiger	..	..	..	15	10.8
1b	Tigress	..	..	..	4	6.6
2	Leopard or panther	..	..	..	41	21.8
3	Wild cat	..	..	..	10	7.8
8	Wild dog	..	..	..	9	3.0
9	Marten	..	..	..	4	0.8
12	Himalayan bear	..	..	..	3	1.6
14	Sloth bear	..	..	..	..	2.8
15	Wild elephant	..	..	..	1	3.8
17	Gaur or bison	..	..	..	..	0.4
25	T'har	..	..	..	1	..
27	Serow or Himalayan goat antelope	..	..	..	6	3.2
28	Goral	..	..	..	..	5.0
33	Barking deer or kakar	..	..	..	201	133.2
37	Sambur	..	..	..	24	30.0
38	Cheetal or spotted deer or axis deer	..	..	..	64	..
39	Hog deer or para	..	..	..	24	31.6
42	Pangolin	..	..	..	..	..
43	Crocodile	..	..	..	..	..
44	Gharial	..	..	..	10	0.2
45	Python	..	..	..	4	2.8
46	Other species given below	..	..	..	1,944	1,488.6
	Wild pig	..	..	..	321	
	Hare	..	..	..	5	
	Jungle fowl	..	..	..	883	
	Poa fowl	..	..	..	66	
	Imperial pigeon	..	..	..	27	
	Green pigeon	..	..	..	35	
	Pigeon	..	..	..	114	
	Kalij pheasant	..	..	..	123	
	Wood snipe	..	..	..	88	
	Partridge	..	..	..	7	
	Wild duck	..	..	..	14	
	Wood duck	..	..	..	1	
	Goonch	..	..	..	4	
	Fish cutley	..	..	..	45	
	Mahseer	..	..	..	117	
	Others	..	..	..	94	

A reward of Rs. 450 was paid during the year for killing two tigers in the 24-Parganas Division.

67. Shooting and Fishing Associations and Game Federation, West Bengal.—The activities of the Associations and Federation continued during the year on the same lines as in previous years.

68. General note.—The demand for timber and other forest produce in rural areas as well as in Calcutta was much in excess of the previous year. The coupe purchasers offered high prices for standing trees sold in auction but could not bring the timber to the Calcutta Market owing to booking restrictions and customs barrier in consequence of the Partition of Bengal. The demand for firewood by the tea gardens continued to be very high for want of coal.

The demand for charcoal in the Darjeeling district was acute. Every possible steps were taken to meet the heavy demand by arranging supplies from Kurseong Division. The subordinate staff of all the Divisions specially in the Northern Circle deserve credit for their keen efforts in maintaining the regularity in proper supply of the essential commodities.

69. The writer of this report records here his appreciation of the services of officers and subordinates of both executive and clerical establishment for their ungrudging efforts needed by the times.

S. CHAUDHURI,

Conservator-General of Forests, West Bengal.

FORM No. 7.

[Paragraphs 1—7.]

Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1947-48.

Division.	Range.	Civil district or territory.	Name of Forest.	Area on 1st April 1947.		Added during the year.	Excluded or transferred to other locals.	Area on 31st March 1948.		Number and date of notification of addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
RESERVED FORESTS.											
(Under Forest Directorate.)											
Northern Circle.											
Darjeeling ..	..	Darjeeling ..	....	71,398	111	..	..	71,398	111	..	..
Kalimpoung ..	..	Ditto ..	....	134,722	210	..	..	134,722	210	..	..
Kurseong ..	..	Ditto ..	....	71,662	112	..	..	71,662	112	..	..
Jalpaiguri ..	..	Jalpaiguri ..	....	122,560	192	..	..	122,560	192	..	..
Buxa ..	..	Ditto ..	....	239,434	374	..	..	239,434	374	..	..
Total Northern Circle				630,776	999	..	..	630,776	999	..	..
Southern Circle.											
24-Parganas ..	Basirhat and Namkhana	24-Parganas	....	1,042,815	1,630	..	..	1,042,815	1,630	..	..
Total Southern Circle				1,042,815	1,630	..	..	1,042,815	1,630	..	..
Total Reserved Forests under Forest Directorate, West Bengal.				1,652,591	2,629	..	..	1,652,591	2,629	..	..

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st April 1947.		Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 31st March 1948.		Number and date of notice of addition, or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
PROTECTED FORESTS. (Under Forest Directorate.) Northern Circle. Kalimpong ..	..	Darjeeling ..	Kalimpong Development area.	173	..	..	..	173	..	..
			Total Protected Forests under the Forest Directorate in the Northern Circle.	173	..	..	..	173	..	..
(Under other Directorates and Departments). Northern Circle. Darjeeling ..	..	Darjeeling	Jalapahar Cantonment. Leibong Cantonment.	294 76	1 }	..	..	{ 294 76	1 }	..	In charge of Military Department.
			Total Protected Forests in the Northern Circle under other Directorates or Departments.	370	1	..	..	370	1	..	
			Total Protected Forests in West Bengal.	543	1	..	..	543	1	..	

[illegible]

FORM No. 8.

[Paragraph 8.]

Progress made in Forest Settlement during the year 1947-48.

Division.	Civil district or territory.	Name of forest.	Area in square miles.			Cost during year.		Entire cost per square mile of area finally settled.	Government notification of settlement.	
			Finally settled during the year.	In hand at commencement of year.	Taken in hand during year.	In forest accounts.	In other accounts.		Number.	Date.
1	2	3	4	5	6	7	8	9	10	11
NORTHERN CIRCLE.										
Kallimpong	Darjeeling	Dolapchen Ridge.	..	0.54	..	Ra.	Ra.	Ra.	7510-For.	18th July 1942.
		Total Northern Circle.	..	0.54	..	..	..	..
SOUTHERN CIRCLE.										
Mkinapore	Midnapore	Arabari (Bombing Range).	..	..	(a) 1.49	..	..	..	....	....
		Arabari (Leper Colony).	..	..	(b) 1.16	..	..	..	....	....
		Total Southern Circle.	..	..	2.65	..	..	..
		Grand Total, West Bengal.	..	0.54	2.65	..	..	..

(a) Declaration for acquisition made in Gazette Notification No. 745-L.A. (P.W.), dated the 11th November 1946, in respect of approximately 2,500 acres but all except 1.49 square miles were derequisitioned on the 1st July 1947. Final settlement not made.
 (b) Transfer agreed to by Local Self-Government Department, vide No. 713For. For. 11-6/47, dated the 11th June 1947, from Government, Agriculture, Forest and Fisheries Department. Transfer proposed by the Collector of Midnapore, vide his No. 6251/R.G., dated the 21st July 1947, to the Commissioner. Transfer order not received within the year.

FORM No. 9.

[Paragraph 9.]

Record of Demarcation and Maintenance of Boundaries, 1947-48.

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at close of the year.	Length of boundaries still to be demarcated at close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at close of the year.	Expenditure on demarcation during the year.		Remarks.
								On new work.	On repairs.	
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Ra.	Ra.	
NORTHERN CIRCLE.										
Reserved Forests.										
Darjeeling ..	..	105	53	158	..	74	232	..	931	
Kalimpong ..	..	171	(a)41	212	..	73	285	..	2,000	
Kurseong ..	..	113	9	122	..	129	251	..	1,281	
Jalpaiguri ..	..	170	10	180	3	150	333	..	1,955	
Buxa ..	..	190	39	238	..	97	335	..	2,550	
Total Northern Circle	..	758	152	910	3	523	1,436	..	8,717	
SOUTHERN CIRCLE.										
Reserved Forests.										
24-Parganas ..	..	6	..	6	..	298	304	..	..
Unsettled State Forests.										
Midnapore ..	3	..	..	3	..	..	3	213	..	
Total Southern Circle ..	3	6	..	9	..	298	307	218	..	
Grand Total, West Bengal	3	764	152	919	3	821	1,743	218	8,717	

(a) Includes 7 miles maintained by the Civil Department and 19 miles by the Cinchona Department.

FORM No. 10.

[Paragraph 10.]

Statement showing forest areas surveyed and under survey by the Survey of India Department during the year 1947-48.

statements showing

Division.	Topographical surveys.										Ordinary surveys not paid for by Forest Department.						Boundary surveys.		Total area remaining to be surveyed.	Total area as per Form No. 7.
	Special surveys paid for by Forest Department.					Cost.														
	Previous.		Of the year.			Of the year.		Previous.		Of the year.			Previous.		Of the year.					
	4" = 1M.	2" = 1M.	4" = 1M.	2" = 1M.	Sq. m.	Sq. m.	Incur- red dur- ing the year.	Rs.	Sq. m.	Sq. m.	2" = 1M.	Smaller scales.	Sq. m.	Sq. m.						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					
	Sq.m.	Sq. m.	Sq. m.	Sq. m.	Rs.	Rs.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.					
NORTHERN CIRCLE.																				
Reserved Forests.																				
Darjeeling	..	111	..	..	..	12,315	..	..	..	..	..	..	..	111	2	113
Kalimpong	..	221	..	..	..	19,385	..	..	..	..	..	..	..	221	4	225
Kunsong	..	112	..	..	..	7,762	..	..	..	..	..	..	..	112	..	112
Jalpaiguri	..	179	..	..	..	20,819	..	..	..	..	..	..	..	179	14	193
Buxa	..	311	..	..	..	36,844	..	42	..	..	..	..	..	353	22	375
Total	..	934	..	..	..	97,065	..	42	..	..	..	..	..	976	42	1,018

Protected Forests.													
Darjeeling .. ..	..	..	..	..	..	..	..	..	..	..	..	..	1
Total	..	..	..	..	..	..	..	..	..	..	..	..	1
Total Northern Circle ..	934	..	97,065	..	42	..	..	..	..	976	43	1,019	
SOUTHERN CIRCLE.													
Reserved Forests.													
24 Parganas Division ..	..	1,585	81,062	..	..	..	..	..	..	1,585	45	1,630	
Total Southern Circle ..	..	1,585	81,062	..	..	..	..	..	..	1,585	45	1,630	
Grand Total, West Bengal ..	934	1,585	1,78,127	..	42	..	..	..	..	2,561	88	2,649	

FORM No. 11.

[Paragraphs 11—12.]

Progress made in Working Plans during the year 1947-48.

Division.	Area under sanctioned working plans.						Area not under working plans.			Total forest area in Form No. 7 (total of columns 5, 7, 8 and 9).	Revisions.			Expendi- ture on working plans during the year.
	At com- mencement of year.	Added during year.	Deducted during the year.	At close of the year.		Plans under pre- paration.	Plans not under pre- paration.		Due or required.		In pro- gress at end of year.	Revised plans sanctioned during year.		
				Actual area.	Percent- age of total forest area (as shown in column 10).		Required at present.	Not required at present.						
													Sq. m.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Per cent.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Ra.	
NORTHERN CIRCLE.														
Reserved Forests.														
Darjeeling ..	111*	..	..	111	98	..	..	2	113	..	..	..	..
Kalimpong ..	210*	..	..	210	93	..	..	15	225	210	210	..	5,666
Kurseong ..	112	..	..	112	100	(a)	..	..	112	..	..	..	500
Jalpalguri ..	192	..	..	192	100	..	..	1	193	..	..	..	1,224
Buxa ..	367	..	..	367	98	7	..	1	375	374	374	..	437
Total ..	992	..	..	992	..	7	..	19	1,018	584	584	..	7,827

Protected Forests.													
Darjeeling ..	..	..	..	..	..	..	1	1	..	..	..	..	..
Total ..	..	..	..	..	..	..	1	1	..	..	..	..	..
Total Northern Circle ..	992	..	..	992	..	7	20	1,019	584	584	..	7,827	..
SOUTHERN CIRCLE.													
Reserved Forests.													
24-Parganas ..	1,630	..	..	1,630	100	..	..	1,630	..	..	..	..	..
Total Southern Circle ..	1,630	..	..	1,630	100	..	..	1,630	..	..	..	..	..
Grand Total, West Bengal	2,622	..	..	2,622	100	7	20	2,649	584	584	..	7,827	..

*Corrected figures.

(a) The area for which plan under preparation is only 173 acres. This being less than half square mile is not shown in this column.

(i) No entries referring to revisions of sanctioned plans will be made in columns 2 to 9.

(ii) Notes will be made in column 15 to explain whether entries in columns 3 and 4 refer to new works to corrections of area or to abandonment of working plan prescriptions.

(iii) No entries will be made in column 4 regarding temporary suspension pending revision.

(iv) New areas included in, or areas thrown out during revisions, will be shown in columns 3, 4 and 7.

(v) Honoraria granted for the compilation of working plans will be shown in the remarks column only.

FORM No. 12

[Paragraphs 13—16.]

Statement showing Communications and Buildings during the year 1947-48.

New works undertaken during the year.															
Division.	Buildings.					Roads and paths.							Other works.		
	Expenditure on—				Total expenditure incurred.	Cart-roads.		Birdle-paths.		Others.		Total expenditure incurred.			
	Headquarters houses.	Host houses.	Houses for subordinate establishment.	Others.		Length.	Cost.	Length.	Cost.	Length.	Cost.				
1	2(a)	2(b)	2(c)	2(d)	3	4(a)	4(b)	4(c)	4(d)	4(e)	4(f)	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Rs.	Rs.
NORTHERN CIRCLE.															
(NORMAL.)															
Darjeeling	..	500	2,500	..	3,000	..	..	..	..	..	..	..	..	..	3,000
Kalimpong	2,252	2	700	..	..	2	2,952	..	2,952
Kurseong	13,442	980	14,422	..	1,735	..	..	..	..	..	1,735	400	16,557
Bengal Forest School	272	..	272	..	..	..	..	..	..	..	..	1,201	1,478
Jalpaiguri	2,500	..	2,500	..	..	..	..	..	..	..	..	..	2,500
Buxa	4,909	3,549	8,458	..	1,050	..	..	..	..	..	1,050	2,285	11,793
Total Northern Circle	..	500	23,623	4,529	24,652	..	5,037	2	700	..	..	2	5,737	3,886	38,275

Repairs executed during the year.

Division.	Buildings.										Roads and paths.										Other works.			
	Expenditure on—										Total expenditure incurred.		Cart-roads.		Birdle-paths.		Others.		Total length of paths or roads.		Total expenditure incurred.		Total expenditure incurred.	
	Headquarters houses.	Rest houses.	House for subordinate establishment.	Others.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
1	(9a)	(9b)	(9c)	(9d)	10	11(a)	11(b)	11(c)	11(d)	11(e)	11(f)	12	13	14	15	16	17	18	19	20	21			
NORTHERN CIRCLE.																								
(NORMAL.)																								
Darjeeling	1,557	4,577	2,652	1,637	10,423	28	20,199	237	4,542	26	227	291	24,968	1,114	36,505									
Kalimpong	800	4,935	7,853	984	14,622	54	10,079	86	2,064	39	770	179	12,913	8,533	31,068									
Kurseong	1,085	2,214	9,655	598	13,855	81	13,720	156	1,935	..	..	237	15,655	2,003	31,513							
Bengal Forest School .. ..	..	252	1,793	..	2,050	..	..	..	..	..	..	..	..	1,017	3,067							
Jalpaiguri	1,524	1,025	6,467	463	10,381	177	7,132	6	55	21	1,295	204	8,482	2,178	21,041									
Buxa	100	6,453	20,930	2,659	30,142	274	23,665	94	1,166	35	5,168	403	84,994	10,785	75,921									
Total Northern Circle	5,066	20,406	49,353	6,643	81,473	614	79,795	579	9,762	121	7,455	1,314	97,012	20,630	1,99,115									

New works undertaken during the year.

Division.	Buildings.						Roads and paths.										Other works.										
	Expenditure on—						Cart-roads.		Birdle -paths.		Others.		Total expenditure incurred.	6	7	8											
	Headquarters houses.	Rest houses.	House for subordi-nate establishment.	Others.	3	Length.	4(a)	Rs.	4(b)	Coat.	Miles.	4(c)					Rs.	4(d)	Miles.	4(e)	Rs.	4(f)	Coat.	Miles.	5	Total length of paths or roads.	
1	2(a)	2(b)	2(c)	2(d)	Rs.	3	4(a)	Rs.	4(b)	Coat.	Miles.	4(c)	Rs.	4(d)	Miles.	4(e)	Rs.	4(f)	Coat.	Miles.	5	Total expenditure incurred.	6	Total expenditure incurred.	7	Total expenditure on new works.	8
NORTHERN CIRCLE.																											
(POST-WAR RECONSTRUCTION.)																											
Darjeeling	10,503	..	..	51,223	61,726	2	40,163	..	..	..	2	..	..	..	..	..	..	..	..	..	2	40,163	3,412	1,05,301	..	..
Kalimpong	..	13,300	18,704	27,032	64,036	5	35,925	..	349	..	5	..	..	..	..	..	..	..	..	..	5	39,274	..	1,03,310	..	..
Kurseong	..	7,000	9,659	41,720	53,379	2	9,924	..	9,924	..	2	..	..	..	..	..	..	..	..	..	2	9,924	26,779	95,082	..	..
Bengal Forest School	15,206	42	15,845	..	31,093	..	..	..	30,666	..	..	..	..	..	..	..	..	..	..	..	..	..	1,123	32,221	..	..
Jalpaiguri	..	5,660	800	..	6,460	..	..	..	17,000	..	..	..	..	..	..	..	..	..	..	..	..	30,666	6,348	43,474	..	..
Buxa	..	14,935	17,470	44,843	77,248	..	..	..	17,000	..	..	..	..	..	..	..	..	..	..	..	..	17,000	13,645	1,07,893	..	..
Total Northern Circle	25,709	45,937	62,478	1,64,313	2,93,942	9	1,36,675	..	349	..	9	..	..	..	..	..	..	..	..	..	9	1,37,027	51,312	4,87,281	..	..
SOUTHERN CIRCLE.																											
Midnapore	27,305	13,335	10,913	26,332	77,335	..	..	..	..	..	..	..	1	3,712	..	..	..	..	..	..	1	3,712	3,147	84,794	..	..
Central	14,000	..	16,933	24,377	55,360	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	38,050	93,410	..	..
24-Parganas	..	..	20,570	..	29,570	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29,570	..	..
Total Southern Circle	41,305	13,335	57,466	50,709	1,62,365	..	..	..	..	..	..	..	1	3,712	..	..	..	..	..	..	1	3,712	41,197	2,07,774	..	..
Grand Total, West Bengal	67,014	59,822	1,43,567	2,20,056	4,90,459	9	1,41,715	2	1,049	1	3,712	12	1,46,476	96,995	7,33,330	..	..	..	..	..	12	1,46,476	96,995	7,33,330	..	..

Repairs executed during the year.															
Division.	Buildings.					Roads and paths.								Other works.	
	Expenditure on —					Cart-roads.		Birdle-paths.		Others.		Total length of paths or roads.	Total expenditure incurred.		
	Headquarters houses.	Rest houses.	House for subordinate establishment.	Others.	Total expenditure incurred.	Length.	Cost.	Length.	Cost.	Length.	Cost.				
1	9(a)	9(b)	9(c)	9(d)	10	11(a)	11(b)	11(c)	11(d)	11(e)	11(f)	12	13	14	15
	Rs.	Rs.	Rs.	Rs.	Rs.	Miles	Rs.	Miles	Rs.	Miles	Rs.	Miles	Rs.	Rs.	Rs.
NORTHERN CIRCLE.															
(POST-WAR RECONSTRUCTION).															
Darjeeling ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kalimpong ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kurseong ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bengal Forest School ..	..	..	622	..	622	..	..	..	..	..	..	..	..	..	622
Jalpaiguri ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Buxa ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total Northern Circle ..	..	..	622	..	622	..	..	..	..	..	..	..	..	..	622
SOUTHERN CIRCLE.															
Midnapore ..	1,553	..	724	2,865	5,142	..	..	..	..	..	..	..	..	7,740	12,882
Central ..	7,925	..	..	..	7,925	..	..	..	..	..	..	..	..	..	7,925
24-Parganas ..	..	..	2,151	..	2,151	..	..	..	..	..	..	..	..	1,000	3,151
Total Southern Circle ..	9,478	..	2,875	2,865	15,218	..	..	..	..	..	..	..	..	8,740	23,658
Grand Total, West Bengal ..	14,544	20,406	52,555	9,508	97,313	614	79,795	579	9,762	121	7,455	1,314	97,012	29,370	2,23,696

Total expenditure incurred.

FORM No. 13.

[Paragraphs 17—21.]

Statement showing register of breaches of Forest Rules during the year 1947-48.

Division.	New cases of the year.																		
	Cases pending from previous year.						Injury to forest by fire.			Unauthorised felling.			Unauthorised grazing.			Other offences.			Total.
	A	B	All	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
NORTHERN CIRCLE.																			
Darjeeling ..	49	28	77	..	..	1	37	206	3	..	40	..	11	367	4	43	613	8
Kalimpong ..	..	7	7	..	1	8	..	76	7	..	100	..	..	120	1	..	297	16
Kurseong ..	5	12	17	..	..	14	..	59	2	..	36	..	..	195	1	..	290	17
Jalpaiguri ..	2(a)	13	15	..	..	..	2	112	4	..	305	..	4	132	1	6	549	5
Buxa ..	3	4	7	..	..	11	..	31	..	..	89	..	2	123	5	2	243	16
Total Northern Circle	59	64	123	..	1	34	39	434	16	..	570	..	17	942	12	56	1,997	62	
SOUTHERN CIRCLE.																			
24-Parganas ..	10	..	10	..	..	..	2	92	10	..	..	..	3	83	..	5	175	10
Total Southern Circle	10	..	10	..	..	..	2	92	10	..	..	..	3	83	..	5	175	10
Grand Total, West Bengal	69	64	133	..	1	34	41	576	26	..	570	..	20	1,025	12	61	2,172	72	

N.B.— A—Means cases taken into court.

B—Means cases disposed of under section 63 of the Indian Forest Act, 1927.

C—Means undetected cases.

(a) Revised figure.

Division.	Disposed of during the year.																	Cases pending at close of year.								
	Total cases.					Convictions.					Acquittals.					Total.										
						Cases.					Persons.					Cases.					Persons.					
A	B	C	All.	A	B	A	B	A	B	A	B	A	B	A	B	A	All.	A	B	All.						
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40						
NORTHERN CIRCLE.																										
Darjeeling	97	641	8	746	31	633	56	700	..	2	..	2	31	635	666	56	702	759	66	6	72					
Kalimpong	..	304	16	320	..	300	..	410	..	4	..	7	..	304	304	..	417	417	..	..	..		
Kurseong	5	302	17	324	3	209	6	452	..	..	..	..	3	299	302	6	452	458	2	3	5	
Jalpaiguri	8	562	5	575	3	545	16	938	..	10	..	12	3	555	558	16	950	966	5	7	12					
Buxa	5	252	16	273	..	240	..	447	..	..	..	..	..	240	240	..	447	447	5	12	17
Total Northern Circle	115	2,061	62	2,238	37	2,017	78	2,047	..	16	..	21	37	2,033	2,070	78	2,068	3,046	78	23	106					
SOUTHERN CIRCLE.																										
24-Parganas	15	175	10	200	8	167	17	555	..	1	..	1	8	163	176	17	556	556	7	7	14					
Total Southern Circle	15	175	10	200	8	167	17	555	..	1	..	1	8	163	176	17	556	556	7	7	14					
Grand Total, West Bengal	130	2,236	72	2,434	45	2,164	95	2,502	..	17	..	22	45	2,201	2,246	95	2,524	3,602	85	35	120					

NORTHERN CIRCLE.

Darjeeling

Kalipong

Kurseong

Jalpaiguri

Buxa

Total Northern Circle

SOUTHERN CIRCLE.

24-Parganas

Total Southern Circle

Grand Total, West Bengal

FORM No. 14.

[Paragraph 22.]

Area of Forest Tracts protected from fire during the year 1947-48.

Division.	1	2	3	4	5	6	7	8	9
		Forest Range.	Year in which protection commenced.	Area attempted to be protected in 1946-47.	Area actually protected in 1946-47.	Area attempted to be protected in 1947-48.	Failures.	Area actually protected in 1947-48.	Cont.
				Acres.	Acres.	Acres.	Acres.	Acres.	Rs.
NORTHERN CIRCLE.	Darjeeling	Tonglu	1891-92	14,766	14,766	14,766	18	14,748	..
		Singalia	1891-92	27,893	27,893	27,638	175	27,508	..
		Senchal	1879-80						
		Ghum-Simana	1879-80						
		Takdah	1885-86	12,100	12,066	12,066	105	11,961	3,012
		Tistavalley	1881-82						
		Darjeeling	1918-19						
		Total		54,549	54,515	54,515	298	54,217	9,012
		Kalimpong	1879-80						
			1885-86	18,135	18,120	18,135	1,287	16,848	802
KALIMPONG	..		1903-04						
			1906-07						
		Chel	1879-80	32,825	32,791	32,825	..	32,925	..
		Neora	1879-80	16,976	16,974	16,976	..	16,976	..
		Jaldhaka	1879-80	26,205	26,130	26,205	18	26,187	..
		Pankasari	1924-25	40,393	40,389	40,393	14	40,379	..
		Reclamation	1942-43	173	173	173	..	173	..
			1944-45	188	188	188	..	188	..
		Total		134,895	134,765	134,895	1,319	133,576	802

Kusong	..	..	1876-35	..	9,004	9,004	9,004	159	9,445	1,090
	..	..	1876-35	..	7,388	7,307	7,388	488	6,905	299
	..	..	1876-35	..	9,352	8,652	9,352	..	9,352	532
	..	..	1876-35	..	10,752	10,697	10,752	40	10,712	516
	..	..	1919-20	..	1,687	1,687	1,687	1	1,686	192
	..	..	Total	..	38,783	37,947	38,783	683	38,100	2,629
Jalpaiguri	..	..	1878-79	..	15,124	15,124	15,124	55	15,069	..
	..	..	1931-32	..	..	..	..	..	..	..
	..	..	1878-79	..	69,597	69,597	69,597	35	69,582	..
	..	..	1908-09	..	..	..	..	..	..	..
	..	..	1931-32	..	..	..	..	..	..	..
	..	..	Total	..	110,707	119,683	119,707	90	119,617	1,401
Moraghat	..	..	1872-73	..	17,719	17,719	17,719	..	17,719	1,401
	..	..	1878-79	..	..	..	..	..	..	..
	..	..	1881-82	..	..	..	..	..	..	..
	..	..	1904-05	..	..	..	..	..	..	..
	..	..	1907-08	..	..	..	..	..	..	..
	..	..	1931-32	..	..	..	..	..	..	..
Madaribat	..	..	1904-05	..	17,267	17,267	17,267	..	17,267	..
	..	..	1931-32	..	..	..	..	..	..	..
Total		..	..	..	110,707	119,683	119,707	90	119,617	1,401

Division.	1	2	3	4	5	6	7	Area actually protected in 1947-48.	Cost.
		Forest Range.	Year in which protection commenced.	Area attempted to be protected in 1946-47.	Area actually protected in 1946-47.	Area attempted to be protected in 1947-48.	Failures.	Area.	Ra.
Buxa	..	Rajabhatkawa	1876-77 .. 1905-06 .. 1924-25 ..	2,045	2,038	2,045	..	2,045	295
		Damanpur ..	1924-25 ..	3,435	3,435	3,435	26	3,409	126
		Bakraduar ..	1876-77 .. 1905-06 .. 1920-21 .. 1922-23 .. 1941-42 ..	1,042	991	1,042	30	1,012	544
		Chhapata ..	1879-80 .. 1883-84 .. 1888-89 .. 1890-91 .. 1895-96 .. 1922-23 .. 1940-41 ..	6,830	6,830	6,830	139	6,491	250
		Nilpara ..	1879-80 .. 1883-84 .. 1923-24 .. 1936-37 .. 1938-39 .. 1939-40 ..	11,903	11,825	11,903	..	11,903	299

Eyda	..	1878-79	..	570	482	570	88	483	335
	..	1895-96	..	570	482	570	88	483	335
	..	1922-23	..	570	482	570	88	483	335
	..	1923-24	..	570	482	570	88	483	335
	..	1878-79	..	570	482	570	88	483	335
Bholka	..	1895-96	..	1,432	1,431	1,482	100	1,332	251
	..	1892-93	..	1,432	1,431	1,482	100	1,332	251
	..	1895-96	..	1,432	1,431	1,482	100	1,332	251
	..	1899-1900	..	1,432	1,431	1,482	100	1,332	251
	..	1878-79	..	1,432	1,431	1,482	100	1,332	251
Total		..	..	27,107	26,835	27,107	43	26,674	2,090
Total Northern Circle		..	..	375,041	373,745	375,007	2,823	372,184	9,934

Division or Circle.	(C) Fires beginning inside the reserve or fire-traced area.											Total (A), (B) and (C).	
	By Intentional firing.						Total.		Causes unknown.				
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.		Area burnt in acres.
	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.							
1	14	15	16	17	18	19	20	21	22	23	24	25	
NORTHERN CIRCLE.													
Darjeeling	7	297	..	..	8	298	
Kalimpong	16	1,319	..	..	16	1,319	
Kurseong	8	338	3	45	14	693	
Jalpaiguri	8	87	..	..	4	90	
Buxa	6	185	4	239	11	493	
Total Northern Circle and West Bengal	40	2,226	7	284	53	2,828	

FORM No. 16.

[Paragraphs 23—25.]

**Statement of Areas closed and open to grazing during the year 1947-48.
(Area in Square Miles.)**

Division.	Area closed to grazing of all animals throughout the year.	Area open to grazing throughout the year.		Balance, that is, area open to grazing for a part of the year (and therefore closed for the remainder).		Total.
		Of all animals.	Of non-browsers only.	Of all animals.	Of non-browsers only.	
1	2	3	4	5	6	7
	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.
NORTHERN CIRCLE.						
Reserved Forests.						
Darjeeling ..	49	..	64	..	..	113
Kalimpong ..	162	..	63	..	..	225
Kurseong ..	82	..	30	..	..	112
Jalpaiguri ..	190	..	..	..	3	193
Buxa ..	368	..	7	..	..	375
Total ..	851	..	164	..	3	1,018
Protected Forests.						
Darjeeling ..	1	..	..	..	..	1
Total ..	1	..	..	..	..	1
Total Northern Circle	852	..	164	..	3	1,019
SOUTHERN CIRCLE.						
24-Parganas ..	1,630	..	..	..	..	1,630
Total ..	1,630	..	..	..	..	1,630
Grand Total, West Bengal ..	2,482	..	164	..	3	2,649

Division.	Grazing free—Number of animals.													Grand total of value at full rates.
	By right under Settlement.						During pleasure of Government, or otherwise than under Settlement						Total value of fees at full rates.	
	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.		
1	15	16	17	18	19	20	21	22	23	24	25	26	27	28
						Rs.						Rs.	Rs.	Rs.
NORTHER CIRCLE.														6,608
Darjeeling ..	..	..	..	..	..	..	..	..	..	..	..	..	..	15,842
Kalimpong ..	..	..	..	..	..	..	..	1,960	..	..	..	2,312	2,312	48
Kurseong ..	..	..	..	..	..	..	..	..	..	..	..	..	..	926
Jalpaiguri ..	..	..	..	..	..	..	..	..	..	..	..	274	274	483
Buxa ..	..	..	..	..	..	..	..	..	..	..	5	2,596	2,596	23,907
Total Northern Circle and West Bengal.	..	..	..	..	..	..	..	1,960	..	..	5	2,596	2,596	

FORM No. 18.

[Paragraphs 23-34.]

Progress in Concentrated Regeneration and Afforestation during the year 1947-48.

Division.	1	Area under concentrated regeneration during the year.		Area regenerated mainly by coppice during the year.	Area artificially regenerated during the year.		Total cost of regeneration operations during the year.
		2	3		4	5	
		Acres.	Acres.	Acres.	In existing tree forest.	Afforestation.	Rs.
NORTHERN CIRCLE.							
Darjeeling	460	..	23,578 Includes Rs. 1,400 spent under Post-War Reconstruction Scheme. Rs. 51,223 spent on the construction of forest villagers hut and erroneously charged under "63B—Regeneration" instead of under "63B—Building", has been shown in form No. 12 and not taken into account in compiling this form.
Kalimpong	95	..	296	..	17,257 Includes Rs. 1,350 spent under Post-War Scheme.
Kurseong	36	..	..	365	..	34,833 Normal Post-War Reconstruction—Nil.
Jalpaiguri	586	..	55,997 Includes Rs. 39,917 spent under Post-War Reconstruction.
Buxa	161	99	..	835	..	43,129 Includes Rs. 5,276 under Post-War Reconstruction.
Total Northern Circle		197	194	2,562	..	..	1,74,794

Division.	1	Area under concentrated natural regeneration during the year.	2	Area regenerated mainly by coppice during the year.	3	Area artificially regenerated during the year.		Total cost of regeneration operations during the year.	6
						In existing tree forest.	Afforestation.		
		Acre.		Acre.		4	5		
SOUTHERN CIRCLE.									
Midnapore	6	13,522	Includes expenditure on older plantations as well as experimental plantation of 395 acres in Arabari and preparatory work for 400 acres of 1948-plantation at Arabari.
Total Southern Circle	6	13,522	
Grand Total, West Bengal	197	194	194	194	2,562	6	1,88,316	

Column 2—Includes all parts of Periodic Block I in process of natural regeneration.

Column 3—Shows coppice coupes felled during the year.

Column 4—Includes only those plantations first formed during the year.

Column 5—Includes lands artificially converted to forest during the year.

Column 6—Includes all costs of obtaining and of tending natural or artificial young crops, i.e., the total of budget sub-head AIVb.

FORM No. 19.

[Paragraphs 35-41.]

Outturn in thousands of cubic feet solid of Timber and Fuel during the year 1947-48, and Agency of Exploitation.

Division.	Timber in the rough (logs).					Timber in the rough (poles).				
	Govern- ment.	Pur- chasers.	Free grantees.	Right holders.	Total.	Govern- ment.	Pur- chasers.	Free grantees.	Right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C.ft.	C.ft.	C.ft.	C.ft.	C.ft.	C.ft.	C.ft.	C.ft.	C.ft.	C.ft.
NORTHERN CIRCLE.										
Reserved Forests.										
Darjeeling ..	..	227	..	..	227	10	2	..	..	12
Kalimpong ..	34	482	..	..	516	3	7	9	..	19
Kurseong ..	276	54	..	..	330	19	7	..	..	26
Jalpaiguri ..	51	429	..	..	480	5	20	..	..	25
Buxa ..	62	523	1	..	586	..	12	1	..	13
Total Northern Circle ..	423	1,715	1	..	2,139	37	48	10	..	95
SOUTHERN CIRCLE.										
Reserved Forests.										
24-Parganas ..	..	1	..	..	1	..	1,370	..	..	1,370
Leased Lands.										
24-Parganas ..	..	..	..	..	..	..	..	..	..	..
Total Southern Circle ..	..	1	..	..	1	..	1,370	..	..	1,370
Grand Total, West Bengal	423	1,716	1	..	2,140	37	1,418	10	..	1,465

Division.	Sawn or square timber.						Miscellaneous.				
	Govern- ment.	Pur- chasers.	Free grantees.	Right- holders.	Total.		Govern- ment.	Pur- chasers.	Free grantees.	Right- holders.	Total.
1	12	13	14	15	16		17	18	19	20	21
	C.ft.	C.ft.	C.ft.	C.ft.	C.ft.		C.ft.	C.ft.	C.ft.	C.ft.	C.ft.
NORTHERN CIRCLE.											
Reserved Forests.											
Darjeeling ..	40	..	..	..	..	40	..	..	..	..	..
Kalimpong ..	3	..	..	..	3	3	..	..	..	..	..
Kurseong ..	18	2	..	..	20	20	..	..	..	..	..
Jalpaiguri ..	5	..	..	..	5	5	..	94	..	..	94
Buxa ..	4	..	..	..	4	4	..	9	..	..	9
Total Northern Circle ..	70	2	..	..	72	72	..	103	..	..	103
SOUTHERN CIRCLE.											
Reserved Forests.											
24-Parganas ..	..	..	..	..	..	..	..	..	..	..	..
Leased lands.											
24-Parganas ..	..	..	..	..	..	..	..	..	..	..	..
Total Southern Circle ..	..	..	..	..	..	..	..	..	..	..	..
Grand Total, West Bengal ..	70	2	..	..	72	72	..	103	..	..	103

Division.	Total timber.						Fuel.					Total outturn.
	Govern- ment.	Pur- chasers.	Free grantees.	Right- holders.	Total.		Govern- ment.	Pur- chasers.	Free grantees.	Right- holders.	Total.	
1	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.		C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
NORTHERN CIRCLE.												
Reserved Forests.												
Darjeeling ..	50	229	..	..	279	3	2,349	44	..	..	2,396	2,675
Kalimpong ..	40	489	9	..	538	5	2,820	148	..	..	2,973	3,511
Kurseong ..	313	63	..	..	376	279	717	46	..	..	1,042	1,418
Jalpaiguri ..	61	543	..	..	604	28	4,732	34	..	..	4,794	5,398
Buxa ..	66	544	2	..	612	200	2,434	56	..	..	2,690	3,302
Total Northern Circle	530	1,868	11	..	2,409	515	13,052	328	..	..	13,895	16,804
SOUTHERN CIRCLE.												
Reserved Forests.												
24-Parganas ..	..	1,371	..	..	1,371	..	1,101	5	..	..	1,106	2,477
Leased lands.												
24-Parganas ..	..	..	..	..	..	..	55	..	..	..	55	55
Total Southern Circle	..	1,371	..	..	1,371	..	1,156	5	..	..	1,161	2,532
Grand Total, West Bengal	530	3,239	11	..	3,780	515	14,208	333	..	..	15,056	18,836

FORM No. 20.

[Paragraphs 35—41.]

Outturn of minor Forest Produce during the year 1947-48.

Description of produce.		Produce removed or utilised.									
		By Government agency.		By purchasers.		By free grants.		By right-holders.		Total.	
		Quantity. 2	Value. 3	Quantity. 4	Value. 5	Quantity. 6	Value. 7	Quantity. 8	Value. 9	Quantity. 10	Value. 11
1			Rs.		Rs.		Rs.		Rs.		Rs.
NORTHERN CIRCLE.											
Reserved Forests.											
Bamboo	.. Nos.	9,626	943	1,422,264	17,416	57,580	357	..	..	1,480,770	18,716
Grazing	.. Value	..	..	..	12,301	..	2,566	..	..	..	14,867
Fodder	.. Value	..	..	..	10,421	..	1,386	..	..	..	11,757
Cane	.. Loads	5	23	10,513	7,885	58	30	..	..	10,576	7,947
Cane	.. Mds.	300	1,795	3,672	1,683	..	..	..	..	3,972	3,478
Cane baskets	.. Nos.	..	..	5,104	319	..	..	..	..	5,104	319
Stone	.. C.ft.	133,220	2,012	3,810,544	18,703	187,800	469	..	..	41,31,364	21,184
Thatchgrass	.. Value	..	695	..	7,860	..	147	..	..	..	8,702
Long pepper	.. Value	..	..	..	1,040	..	..	..	..	..	1,040
Honey Comb	.. Nos.	..	..	35	35	..	..	..	..	35	35
Ivory	.. Nos.	5	206	..	..	..	..	..	..	5	206
Rhino horns	.. Nos.	3	1,310	..	..	..	..	..	..	3	1,310
Miscellaneous	.. Value	..	74,047	..	10,465	..	506	..	..	..	85,018
Total Northern Circle	..	..	81,031	..	88,124	..	5,440	..	..	..	1,74,599

SOUTHERN CIRCLE.												
Reserved Forests.												
Honey	..	..	Mds.	..	..	3,780	5,686	..	..	..	3,790	5,686
Wax	..	..	Mds.	..	..	855	3,034	..	..	..	855	3,034
Golpatta	..	..	Mds.	..	..	36,655	2,499	..	..	..	36,655	2,499
Thatch grass	..	..	Value	..	..	..	39	..	..	..	..	39
Miscellaneous	..	..	Value	..	..	..	13,452	..	..	..	..	13,452
Unclassed State Forests.												
Departmental crop	..	..	Value	..	597	..	..	..	..	..	..	597
Total Southern Circle	..	..		..	597	..	25,310	..	..	..	..	25,907
Grand Total, West Bengal	..	..		..	81,628	..	1,13,438	..	5,440	..	..	2,00,506

FORM No. 21.

[Paragraphs 36, 37 and 45.]

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of, during the year 1947-48.

Name of Division.	Balance at commencement of the year in forests and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forests and sale depots.
1	2	3	4	5	6
NORTHERN CIRCLE.	C.ft.	C.ft.	C.ft.	C.ft.	C.ft.
Timber.					
Darjeeling ..	662	50,293	50,955	49,750	1,205
Kalimpong ..	8,033	40,431	48,464	36,585	11,879
Kurseong ..	207,868	312,458	520,326	344,499	175,827
Jalpaiguri ..	34,165	60,651	94,816	80,271	14,545
Buxa ..	44,566	65,851	110,417	85,730	24,687
Total ..	295,294	529,684	824,978	596,835	228,143
Fuel.					
Darjeeling ..	8,797	3,123	11,920	2,528	9,392
Kalimpong ..	1,730	4,938	6,668	3,148	3,520
Kurseong ..	116,096	278,866	394,962	246,233	148,729
Jalpaiguri ..	6,388	28,059	34,447	30,322	4,125
Buxa ..	10,682	199,932	210,614	41,230	169,384
Total ..	143,693	514,918	658,611	323,461	335,150
Bamboos.	Nos.	Nos.	Nos.	Nos.	Nos.
Darjeeling ..	..	68	68	68	..
Kalimpong ..	..	2,095	2,095	2,095	..
Kurseong ..	..	1,763	1,763	1,363	400
Buxa ..	..	5,700	5,700	4,700	1,000
Total ..	..	9,626	9,626	8,226	1,400
Minor produce.	Rs.	Rs.	Rs.	Rs.	Rs.
Darjeeling ..	..	626	626	618	8
Kalimpong ..	506	2,491	2,997	2,686	311
Kurseong ..	130	2,872	3,002	2,359	643
Jalpaiguri ..	30	100	130	130	..
Buxa ..	1,898	73,999	75,897	22,742	53,155
Total ..	2,564	80,088	82,652	28,535	54,117
SOUTHERN CIRCLE.					
Timber.	C.ft.	C.ft.	C.ft.	C.ft.	C. ft.
24 Parganas ..	..	67	67	67	..
Total ..	..	67	67	67	..

FORM No. 22.

[Paragraphs 36 37 and 45.]

Abstract showing the value of timber and other produce at Sale Depots for the year 1947-48.

Description of timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	Number.	C.ft.	Value.	Number.	C.ft.	Value.	In favour of the year.	Against the year.	
							Rs.	Rs.	
1	2	3	4	5	6	7	8	9	10
NORTHERN CIRCLE.									
Timber.									
Timber in round ..	30,813	206,321	2,30,908	7,959	100,473	1,36,243	..	94,665	
Sleepers ..	4,723	5,185	6,340	7,177	9,069	13,904	7,564	..	
Sawn timber other than sleepers	92,758	83,788	1,67,411	169,320	118,601	3,83,219	2,15,808	..	
	128,294	295,294	4,04,659	184,456	228,143	5,33,366	1,28,707	..	
Fuel.									
Firewood and Charcoal ..	..	143,683	16,844	..	335,150	29,156	12,312	..	
Bamboos ..	..	..	..	1,400	..	100	100	..	
Minor produce ..	..	..	2,564	..	..	54,117	51,553	..	
Total Northern Circle ..	..	..	4,24,067	..	..	6,16,739	1,92,672	..	

FORM No. 23.

[Paragraph 46.]

Abstract showing the value of Live and Dead stock for the year 1947-48.

Description of live and dead-stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in value.		Remarks.
	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
NORTHERN CIRCLE.							
Live-stock.							
Elephants ..	11	71,000	11	71,000	..	..
Dead-stock.							
Buildings ..	1,467	6,86,918	1,567	8,48,031	1,61,113	..	
Stores (Mathematical)	2,301	16,091	2,343	20,424	4,333	..	
Furniture ..	10,307	51,317	10,540	58,969	7,652	..	
Tents ..	15	2,572	19	4,205	1,633	..	
Miscellaneous	17,293	(a) 2,37,965	17,555	2,85,433	47,468	..	(a) Corrected figures.
Total Dead-stock	31,383	9,94,863	32,024	12,17,062	2,22,199	..	
Total Northern Circle	31,394	10,65,863	32,035	12,88,962	2,22,199	..	

SOUTHERN CIRCLE.**Live-stock.**

Bullocks

2

264

2

264

..

..

Dead-stock.

Buildings

81

1,29,719

91

2,05,311

75,592

..

Stores (mahtematical)

110

897

279

5,397

4,500

..

Stores (Ordnance)

24

11,200

22

10,800

..

400

Furniture

378

10,610

751

23,027

12,417

..

Tents

9

2,079

10

2,267

188

..

Motor Launches

1

25,000

1

1,16,000

91,000

..

Motor Vehicles

2

14,000

7

40,397

26,397

..

Boats and Dinghies

48

50,177

54

51,390

1,213

..

Miscellaneous

729

6,832

1,366

16,272

9,440

..

Total Dead-stock

1,382

2,50,514

2,581

4,70,861

2,20,347

..

Total Southern Circle

1,384

2,50,778

2,583

4,71,125

2,20,347

..

RESEARCH DIVISIONS.**Dead-stock.**

Stores (Mathematical)

411

5,068

275

3,000

..

2,068

Furniture

592

13,326

532

13,070

..

256

Tents

42

4,781

10

1,561

..

3,220

Miscellaneous

751

(u) 4,573

569

4,775

202

..

Total Dead-stock

1,796

27,748

1,386

22,406

..

5,342

Total Research Divisions

1,796

27,748

1,386

22,406

..

5,342

Grand Total, West Bengal

..

13,44,389

..

17,81,593

4,37,204

..

FORM No. 24.
[Paragraph 42.]
Annual Statement of Revenue of the Forest Department, Bengal, for the year 1947-48 (Pre-Partition—from April 1947 to 14th August 1947).

Budget Heads.		Utilisation.												
1	2	3	4	5	6	7	8	9	10	11	12	13		
	Darjeeling.	Kalimpong.	Kurseong.	Direction (North.)	Buxa.	Jalpaiguri.	Bengal Forest School.	Total Northern Circle.	General Direction.	Silvicultural.	Working Plans.	Rs.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
X—FOREST.														
Revenue.														
I.—Timber and other produce removed from the forest by Government Agency—														
(a) Timber	697	4,563	2,15,023	..	42,844	9,435	..	2,72,562	..	..	..	..
(b) Firewood and charcoal	5,555	10	42,521	..	1,083	490	..	50,559	..	..	..	..
(c) Bamboos	..	..	..	..	..	..	..	..	..	..	..	..
(d) Grass and other minor produce	479	264	201	..	1,386	80	..	2,410	..	..	..	..
(e) Sandal wood	..	..	..	..	..	..	..	..	..	..	..	..
Total I	6,731	4,837	2,57,745	..	46,213	10,005	..	3,25,531	..	..	..	..
II.—Timber and other produce removed from the forests by consumers or purchasers.—														
(a) Timber	37,701	23,750	40,102	..	40,030	1,74,103	..	3,20,636	..	..	..	..
(b) Firewood and charcoal	24,635	8,636	5,465	..	21,417	41,658	..	1,01,561	..	..	..	..
(c) Bamboos	692	1,049	340	..	73	..	..	2,203	..	..	..	..
(d) Grazing and fodder grass	4,325	2,425	400	..	36	488	..	7,734	..	..	..	..
(e) Other minor produce	1,300	4,733	942	..	12,414	1,170	..	20,509	..	..	..	..
(f) Commutation fees	..	..	..	..	..	..	..	..	..	..	..	..
(g) Other items	..	..	..	..	..	..	..	..	..	..	..	..
Total II	63,653	45,643	47,398	..	73,970	2,17,419	..	4,53,083	..	..	..	..

Budget Heads.	Nadia.	Midnapore.	Direction (Development Circle.)	Total Development Circle.	Chittagong Hill Tracts.	Chittagong.	Dacca- Mymen- Singh.	Sundar- bans.	Direction (South.)	Total Southern Circle.	Grand Total.
	14	15	16	17	18	19	20	22	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
X—FOREST.—contd.											
Revenue.—contd.											
I.—Timber and other produce removed from the forest by Government Agency—											
(a) Timber ..	..	10	..	10	12,139	468	132	1,149	..	13,898	2,36,460
(b) Firewood and charcoal ..	..	..	..	..	1,166	..	41	133	..	1,345	51,904
(c) Bamboos ..	..	..	..	..	659	20	..	..	..	679	679
(d) Grass and other minor produce ..	..	..	..	..	806	1,081	..	94	..	2,071	4,481
(e) Sandal wood ..	..	..	..	..	..	39	..	..	..	39	39
Total I ..	..	10	..	10	14,860	1,608	173	1,380	..	18,022	3,43,563
II.—Timber and other produce removed from the forests by consumers or purchasers—											
(a) Timber ..	..	..	..	..	57,491	50,756	1,92,565	1,92,558	..	4,98,370	8,14,056
(b) Firewood and charcoal ..	..	..	..	..	1,439	13,955	10,956	1,03,014	..	1,29,984	2,31,845
(c) Bamboos ..	..	..	..	..	18,220	15,571	..	..	..	33,791	35,994
(d) Grazing and fodder grass ..	..	..	..	..	32	5,966	..	..	..	5,998	13,782
(e) Other minor produce ..	..	..	..	..	7,192	8,853	61	46,677	..	57,788	78,887
(f) Commutation fees ..	..	..	..	..	..	189	..	..	..	189	189
(g) Other items ..	..	..	..	..	..	..	..	..	..	..	..
Total II ..	..	..	..	..	84,394	90,295	2,03,582	8,42,349	..	7,21,120	11,74,203

Budget Heads.	Darjeeling.	Kalimpong.	Kurseong.	Direction (North.)	Buxa.	Jalpaiguri.	Bengal Forest.	Total Northern Circle.	General Direction.	Signif- tural.	Working Plans.	Utilisation.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
X—Forest—contd.												
Revenue—contd.												
III.—Drift and walf wood and confiscated forests produce.	1	..	..	..	4,931	153	..	647	..	..	..	..
IV.—Revenue from forests not managed by Government—												
(a) Duty on foreign timber and other forest produce.	..	..	..	..	..	..	..	..	..	..	..	..
(b) Revenue from shared and private forests.	..	..	..	..	..	..	..	..	..	..	..	..
Total IV	..	..	..	..	..	..	..	..	..	..	..	..
V.—Miscellaneous—												
(a) Fines and forfeitures	..	..	1,679	..	..	7,717	..	23,739	..	..	..	..
(b) Other sources	7,123	2,204	521	174	4,762	870	60	2,858	6	8	..	308
(c) Receipts (including rent) realised from works.	412	576	..	..	412	..	167	..	67	..	..	..
(d) Sale of forest produce purchased from trade.	..	..	..	..	47,176	22,202	..	69,378	..	..	..	(a)
Total V	7,535	2,780	2,200	174	52,370	30,759	227	96,075	73	8	..	308
VI.—Receipts in England—												
High Commissioner	..	..	..	..	..	..	..	..	..	..	..	..
VII.—Loss or gain by exchange	..	..	..	..	..	..	..	..	..	..	..	..
VIII.— <i>Debit</i> —Refunds	-1	..	-4,090	..	-19,203	-294	..	-23,538	..	..	..	-671 (a)
Total X—Forest	82,919	58,260	3,03,253	174	1,53,843	2,58,072	227	8,51,748	73	8	..	-363
Total Expenditure	1,00,511	88,942	2,97,107	49,867	2,33,680	1,82,810	48,995	9,53,892	4,106* 1,08,837	27,237	31,051	29,888
Surplus	..	..	24,146	..	..	75,262	..	..	..	..	..	..
Deficit	17,592	85,682	..	49,693	79,817	..	48,768	1,32,144	1,08,764 4,106*	27,234	31,061	29,761

(a) Revenue relating to (d) once credited in 1943-44 was again credited in September 1946. The write back made in May 1947 was shown by Divisional Forest Officer under (d) but taken by Accountant General's office under VIII.—*Debit*—Refunds. *Details not received.

Budget Heads.	Nadla.	Midnapore.	Direction (Development Circle.)	Total Development Circle.	Chittagong Hill Tracts.	Chittagong.	Dacca- Myne- Shuh.	Sundar- bans.	Direction (South.)	Total Southern Circle.	Grand Total.
1	14	15	16	17	18	19	20	21	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
X—Forest—contd.											
Revenue—contd.											
III.—Drift and waif wood and confiscated forest produce.	..	..	..	..	2,105	2,105	..	257	..	4,427	5,074
IV.—Revenue from forests not managed by Government.—											
(a) Duty on foreign timber and other forest produce.	..	..	..	..	..	..	..	..	..	..	..
(b) Revenue from shared and private forests.	..	..	..	..	..	..	..	..	..	..	..
Total IV	..	..	..	..	..	..	..	..	..	..	..
V.—Miscellaneous—											
(a) Fines and forfeitures	..	1,361	..	1,361	2,254	19,749	97	8,848	..	8,940	8,940
(b) Other sources	296	293	..	589	556	827	120	35,215	45	64,457	90,013
(c) Receipts (including rent) realised from forests.	..	..	..	..	..	..	..	752	..	2,255	5,868
(d) Sale of forest produce purchased from trade.	..	..	..	..	..	8,761	..	..	..	3,761	72,463
Total V	378	1,654	56	2,399	2,810	24,337	7,411	44,810	45	79,413	1,77,960
VI.—Receipts in Enland—											
High Commissioner ..	..	..	..	..	..	..	..	..	..	..	..
..
..
VIII.—Deduct—Refund	..	..	..	..	..	..	..	..	..	..	..
Total X—Forest	378	1,664	56	1,738	52,829	—52	—7,05,209	—713	45	7,57,935	—7,81,523
Total Expenditure	..	67,300	21,449	1,76,425	99,871	2,17,357	66,685	3,22,959	36,390	7,43,262	20,12,416
	..	..	..	..	..	1,327*	..	..	..	1,327*	5,433*
Surplus	378	..	..	..	..	..	..	65,624	..	..	..
Deficit	..	65,636	21,393	1,74,687	47,042	90,634	5,00,113	..	36,345	6,78,215	10,93,810
	..	..	..	..	..	1,327*	..	..	..	1,327*	5,433*
											10,99,243

*Details not received.

FROM No. 24—contd.
Annual Statement of Expenditure of the Forest Department, Bengal, for the year 1947-48 (Pre-Parlion—from April 1947 to 14th August 1947).

Budget Heads.	1	2	3	4	5	6	7	8	9	10	11	12	13
		Darjeeling.	Kalmipond.	Kurseong.	Direction (North.)	Buxa.	Jalpaiguri.	Bengal Forest School.	Total Northern Circle.	General Direction.	Subventural.	Working Plans.	Utilisation.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST.													
Expenditure.													
A.—Conservancy and Works..													
1—Timber and other produce removed from the forests by Government Agency—													
(a) Timber	.. { C V	.. 9	.. 9,362	.. 1,11,357	..	.. 12,021	.. 8,314	..	.. 1,41,063	..	..	..	..
(b) Firewood and charcoal	.. { C V	.. 5,735	..	.. 26,975	..	..	..	..	.. 32,710	..	..	..	..
(c) Bamboos	.. { C V	.. 186	..	..	..	..	..	..	.. 186	..	..	..	..
(d) Grass and other minor produce.	.. { C V	..	.. 31	..	..	.. 31	.. 25	..	.. 90	..	..	..	..
(e) Sandal wood	.. { C V	..	..	..	..	..	..	..	..	..	..	..	..
(f) Customs duty on imported stores.	.. { C V	..	..	..	..	..	..	..	..	..	..	..	..
Total I	.. { C V	.. 5,930	.. 9,393	.. 1,38,332	..	.. 12,052	.. 8,342	..	.. 1,74,049	..	..	..	..

Budget Heads.	Nadia.	Midnapore.	Direction (Development Circle.)	Total Development Circle.	Chittagong Hill Tracts.	Chittagong.	Dacca- Mynen- singh.	Sundar- bans.	Direction. (South.)	Total Southern Circle.	Grand Total.
1	14	15	16	17	18	19	20	21	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST—contd.											
A—Conservancy and Works—contd.											
L.—Timber and other produce removed from the forests by Government Agency—											
(a) Timber	20,257	..	..	..	..	20,257	20,257
	960	364	..	1,324	1,42,394
(b) Firewood and charcoal	279	..	..	..	..	279	279
	3	..	..	3	32,713
(c) Bamboos
	186
(d) Grass and other minor produce.	107	..	..	..	..	107	107
	5	..	5	95
(e) Sandal wood

(f) Customs duty on imported stores.

Total I	20,643	..	..	..	..	20,643	20,643
	963	369	..	1,392	1,75,361

Budget Heads.	1	2	3	4	5	6	7	8	9	10	11	12	Utilisa- tion.
		Darjeeling.	Kalimpong.	Kurseong.	Direction (North.)	Buxa.	Jalpaiguri.	Bengal. Forest School.	Total Northern Circle.	General Direction.	Silvicult. tural.	Working Plans.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST— <i>contd.</i>													
Expenditure— <i>contd.</i>													
A—Conservancy and Work— <i>contd.</i>													
II.—Timber and other produce removed from the forests by consumers and purchasers.	{ C V	..	..	..	..	..	..	..	..	..	..	..	..
(a) Customs duty on imported stores.	{ C V	603	2,422	749	..	1,990	5,934	..	11,693	..	..	..	..
Total II	{ C V	603	2,422	749	..	1,990	5,934	..	11,693	..	..	..	..
Carried over	{ C V	6,593	11,315	1,39,081	..	14,042	14,276	..	1,85,747	..	..	..	..

Budget Heads.	Nadia.	Midnapore.	Direction (Development Circle.)	Total Development Circle.	Chittagong Hill Tracts.	Chittagong.	Dacca- Mymen- singh.	Sundar- bans.	Direction. (South.)	Total Southern Circle.	Grand Total.
1	14	15	16	17	18	19	20	21	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST— <i>contd.</i>											
Expenditure— <i>contd.</i>											
A—Conservancy and Works— <i>contd.</i>											
II.—Timber and other produce { removed from the forests by consumers and purchasers. { V	..	..	..	..	5,496	384	..	..	..	5,880	5,880
	..	..	..	..	..	4,211	2,710	1,84,544	..	1,91,465	2,03,164
(a) Customs duty on imported { stores. { V	..	..	..	..	..	..	..	..	..	..	..

Total II ... { C { V	..	..	..	..	5,496	384	..	..	..	5,880	5,880
	..	..	..	..	..	4,211	2,710	1,84,544	..	1,91,465	2,03,164
Carried over ... { C { V	..	..	..	..	26,139	384	..	..	..	26,523	26,523
	..	..	..	..	..	4,211	3,673	1,84,913	..	1,92,797	3,78,545

Budget Heads.		Utilisation.																							
1		2		3		4		5		6		7		8		9		10		11		12		13	
Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.	
Darjeeling.		Kalmipong.		Kurseong.		Direction (North.)		Buxa.		Jalpaiguri.		Bengal Forest School.		Total Northern Circle.		General Direction.		Sikkim- tural.		Working Plans.		Utilisation.			
Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.			
..		6,533		11,815		1,39,081		..		14,042		14,276		..		1,85,747		..		..		..
Brought forward .. { C { V		..		..		..		..		..		..		..		..		..		..		..
III.—Constructions, Purchase, Maintenance, Repairs, etc.—		..		..		..		..		..		..		..		..		..		..		..
(a) Cattle .. { C { V		..		..		..		..		..		..		..		..		..		..		..
(b) Feed and keep of cattle .. { C { V		..		..		..		..		..		..		..		..		..		..		..
(c) Stores, tools and plant .. { C { V		..		..		..		..		..		..		..		..		..		..		..
(d) Roads and bridges .. { C { V		..		..		..		..		..		..		..		..		..		..		..
(e) Buildings .. { C { V		..		..		..		..		..		..		..		..		..		..		..
(f) Other works .. { C { V		..		..		..		..		..		..		..		..		..		..		..
(g) Customs duty on imported stores, .. { C { V		..		..		..		..		..		..		..		..		..		..		..
(h) Compensation for land and rights, .. { C { V		..		..		..		..		..		..		..		..		..		..		..
Total III .. { C { V		13,414		7,816		17,924		2		12,100		5,088		1,119		57,413		..		441		221			

Budget Heads,	Nadia.	Midnapore.	Direction (Development Circle.)	Total Development Circle.	Chittagong Hill Tracts.	Chittagong.	Dacca- Mymn- Singh.	Sundar- bans.	Direction (South.)	Total Southern Circle.	Grand Total.
1	14	15	16	17	18	19	20	21	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST—contd.											
Expenditure—contd.											
A.—Conservancy and Works—contd.											
Brought forward .. { C { V }	26,139	384	..	..	..	26,523	26,523
	4,211	3,973	1,84,913	..	1,92,797	3,78,545
III.—Constructions, Purchase, Main- tenance, Repairs, etc.—											
(a) Cattle .. { C { V }
(b) Feed and keep of cattle .. { C { V }	155	..	..	..	..	155	155
(c) Stores, tools and plant .. { C { V }	432	932	..	..	..	932	2,249
(d) Roads and bridges .. { C { V }	682	..	5	653	2,209	504	3,054	6,143
(e) Buildings .. { C { V }	3	588	..	..	..	3	8
(f) Other works .. { C { V }	133	..	..	..	133	23,909
(g) Customs duty on imported stores. { C { V }	48	..	..	..	—362	—362
(h) Compensation for land and rights. { C { V }	1,487	539	5,844	..	7,870	31,660
	319	..	..	..	..	319	319
	1,059	370	379	..	1,808	8,312

Total III .. { C { V }	682	489	53	..	..	..	552	552
	4,190	1,562	8,432	504	14,697	72,772

Budget Heads.	Darjeeling.	Kalmipong.	Kurseong.	Idroon (North.)	Fuxa.	Jalpaiguri.	Bengal. Forest School.	Total Northern Circle.	General Direction.	Silvicultural.	Working Plans.	Utilisation.
	2	3	4	5	6	7	8	9	10	11	12	13
Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.
1												
10—FOREST—contd.												
Expenditure—contd.												
A—Conservancy and Works—contd.												
IV.—Conservancy and Regeneration—												
(a) Maintenance of boundaries.	.. 2	.. 15	.. 6	..	..	..	..	.. 23	..	..	..	..
(b) Regeneration	.. 12,722	.. 6,596	.. 9,936	..	.. 15,814	.. 3,187	..	.. 48,255	..	.. 791	..	..
(c) Fire protection	.. 324	.. 417	.. 540	..	.. 70	.. 146	..	.. 1,497	..	..	..	..
(d) Other works	.. 2	.. 4,724	.. 499	..	.. 139	..	..	.. 5,414	..	..	..	..
(e) Survey	..	..	..	..	..	..	..	..	..	..	..	..
(f) Customs duty on imported stores.	..	.. 7	..	..	..	..	..	.. 7	..	..	..	..
(g) Compensation for land and rights.	..	.. 4	..	..	..	..	..	.. 4	..	..	..	..
Total IV	.. 13,060	.. 11,763	.. 10,981	..	.. 16,073	.. 3,383	..	.. 55,200	..	.. 791	..	..

Budget Heads.	Nadia.	Mitnapore	Direction (Development Circle.)	Total Development Circle.	Chittagong Hill Tracts.	Chittagong.	Dacca-Mymensingh.	Sundarbans.	Direction (South.)	Total Southern Circle.	Grand Total.
1	14	15	16	17	18	19	20	21	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST—contd.											
Expenditure—contd.											
A.—Conservancy and Works—contd.											
IV.—Conservancy and Regeneration—											
(a) Maintenance of bound- aries. { C V	15	..	..	..	..	15	15
(b) Regeneration { C V	80	1,114	..	..	1,194	1,217
(c) Fire protection { C V	791	5,120	..	..	..	..	5,120	5,120
(d) Other works { C V	1,808	86	..	..	1,894	50,940
(e) Survey { C V	35	..	..	..	..
(f) Customs duty on im- ported stores. { C V	596	..	..	..	..	596	596
(g) Compensation for land and rights. { C V
Total IV { C V	791	5,731	1,888	1,235	..	..	5,731	57,314

Budget Heads.	1	Darjeeling.	Kalim-ping.	Kurcong.	Direction (North.)	Buxa.	Jalpauri.	Itanul Forest School.	Total Northern Circle.	General Direction.	Stivoul-tur.	Working Plans.	Utilisa-tion.
		2	3	4	5	6	7	8	9	10	11	12	13
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST—contd.													
Expenditure—contd.													
A—Security and Works—contd.													
V.—Miscellaneous—													
(a) Drift and waif wood and confiscated forests produce.	{ C	..	..	..	..	..	..	..	..	..	..	..	..
(b) Revenue from forests not managed by Government forest.	{ C	..	..	..	..	..	..	..	..	..	..	..	..
(c) Rent of forests and payments to share-holders in forests managed by Government.	{ C	..	..	..	..	..	..	..	..	..	..	..	..
(d) Law charges	{ C	..	..	..	..	..	..	..	..	..	..	..	..
(e) Dearness allowance	{ V	..	..	..	..	..	..	..	..	..	..	..	..
(f) Clothing	{ V	..	..	..	..	..	..	..	..	..	..	..	..
(g) Other charges	{ V	..	..	..	..	..	..	..	..	..	..	..	..
(h) Working plans	{ V	..	..	..	..	..	..	..	..	..	..	..	..
(i) Customs duty on imported stores.	{ V	..	..	..	..	..	..	..	..	..	..	..	..
(j) Purchase of forests produce from Trade or from purchasers of standing trees.	{ C	..	..	..	..	..	..	..	..	..	..	..	..
Total V	{ C	..	..	..	..	..	..	..	..	..	..	..	..
	{ V	..	..	..	..	..	..	..	..	..	..	..	..
		14	96	4,357	..	63,631	84,328	20	1,52,446	..	641	2,746	4,788

Budget heads.	1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST—contd.													
Expenditure—contd.													
B—Establishment—contd.													
Brought forward	..	5,592	3,944	1,499	2,726	2,291	10,614	4,043	30,579	3,726	1,299	..	1,584
2—Pay of Establishment—													
(a) Subordinate Forest and Depot Establishment.	..	..	..	..	..	..	..	..	..	..	..	..	..
	16,377	14,933	24,435	..	..	31,684	21,709	1,177	1,10,315	675	4,053	1,807	972
(b) Office establishment	..	..	..	..	..	..	..	..	..	..	..	..	..
	3,332	3,403	4,677	..	3,247	5,993	5,436	1,104	27,192	2,076	1,720	1,794	1,950
(c) Temporary establishment	..	..	..	..	..	..	..	..	..	..	..	..	..
	3,340	2,347	4,530	..	12,637	11,161	8,315	..	42,330	8,370	..	437	4,999
(d) Leave allowance	..	..	..	..	..	..	..	..	..	..	..	..	..
	1,142	499	1,823	..	224	1,950	1,493	..	7,131	560	61	493	286
(e) Sub-Assistant Surgeon	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	780	..	..	780	..	..	..	..
(f) Extra cost in leave vacancies	..	..	..	..	..	..	..	..	..	..	..	..	..
	5	..	..	110	..	..	..	..	..	..	..	..	..
(g) Temporary establishment for Central Govt. Timber Depots.	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	919	..	819	..	..	..	..
Total 2	..	24,196	21,132	35,625	16,104	51,563	37,772	2,231	1,88,732	11,681	5,834	4,526	8,207

Budget heads.	Nadia.	Midnapore.	Direction (Development (Hole.)	Total Development (Circle.)	Chittagong Hill Tracts.	Chittagong.	Dacca- Mymen- singh.	Sunder- bans.	Direction (South.)	Total Southern Circle.	Grand Total.
	14	15	16	17	18	19	20	21	22	23	24
1	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST—contd.											
Expenditure—contd.											
B—Establishment—contd.											
Brought forward .. { C	11,301	36,065	3,063	2,302	6,223	7,635	12,437	31,667	1,16,125
.. { V	2,888	..	12,457	2,120	14,085	..	29,015	66,203
2.—Pay of establishment—											
(a) Subordinate Forest and Depot Establishment.	15,290	321	..	..	..	15,611	15,611
.. { C	6,832	..	41,543	9,629	36,463	..	87,640	2,05,462
.. { V	3,848	..	..	..	..	3,848	3,848
(b) Office Establishment .. { C	2,535	7,999	..	7,925	2,266	6,900	1,213	18,309	55,576
.. { V	4,408	33	..	..	..	4,499	4,499
(c) Temporary Establishment { C	1,732	7,213	..	10,003	12,971	3,653	10,415	37,041	95,009
.. { V	607	40	..	..	..	647	647
(d) Leave allowance .. { C	320	1,155	..	2,340	644	2,453	493	5,980	14,776
.. { V	55	..	..	..	..	55	55
(e) Sub-Assistant Surgeon .. { C	780
.. { V	203	..	..	..	..	203	203
(f) Extra cost in leave vacan- { C	20	..	..	20	135
.. { V
(g) Temporary establishment { C
.. { V
.. { C	819
.. { V
Total 2	4,637	23,204	24,408	304	..	..	..	24,863	24,863
	61,811	25,529	49,474	12,120	1,48,940	3,72,557

Budget heads.	1	2	3	4	5	6	7	8	Total Northern Circle.	General Direction.	Sylvicul-tural.	Working Plans.	Utilisa-tion.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST—contd. Expenditure—contd. B—Establishment—contd.													
3—Allowances and Honoraria—													
(a) Travelling allowance	..	..	..	{ 1,122 } 1,773	1,261	1,150	..	..	{ 2,533 } 1,773 66,603	611	..	416	205
	11,519	8,274	..	1,730	597	16,213	11,904	3,366	..	1,985	2,443	1,519	1,147
(b) Other allowances	..	..	..	..	..	..	..	..	..	..	..	..	..
	1,433	3,011	2,257	3,464	..	1,127	145	7,268	18,775	2,033	797	532	1,474
(c) Cost of passage, etc.	..	..	..	..	..	..	..	..	..	64	..	..	..

(d) Dearness allowance	..	..	..	1,055	616	1,925	..	..	2,996	113	1,181	1,287	1,052
	16,672	11,586	15,843	5,747	24,163	18,749	4,876	97,656	4,153	2,245	1,653	1,653	3,696
(e) Allowances to temporary staff for Central Govt. Timber Depots.	..	..	..	..	..	..	..	..	..	..	..	..	..

Total 3	29,624	22,871	{ 1,773 } 2,177 32,830	1,877	9,805	41,673	31,119	15,510	{ 1,773 } 6,592 1,38,435	788	1,181	1,703	1,257
										8,171	5,435	3,704	6,317

Budget heads.	1	2	3	4	5	6	7	8	9	10	11	12	13
	Darjeeling.	Kalimpong.	Kurseong.	Direction (North)	Buxa.	Jalpaiguri.	Benaul Forest School.	Total Northern Circle.	General Direction.	Silvicultural.	Working Plans.	Utilisation.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
10—FOREST—contd.													
Expenditure—contd.													
B—Establishment—contd.													
Brought forward	..	..	10,076	13,598	10,021	..	..	33,693	23,785	12,656	9,063	7,189
	59,412	47,897	66,924	28,642	95,582	79,505	21,834	4,02,746	23,578	12,618	8,230	16,108	
4.—Contingencies—													
(a) Stationery	..	..	760	772	30	51	20	1,653	165	7	4	..
(b) Carriage of tents and records	..	..	..	..	..	..	..	392	18	93	..	..
(c) Rents, rates and taxes	..	..	282	1,905	..	..	..	3,548	..	..	..	..
(d) Official postage	..	..	701	937	1,000	950	165	4,773	7	..	125	600
(e) Sundries	..	..	..	..	..	..	..	..	..	..	..	..
(f) Purchase of books	..	..	2,232	2,526	2,652	1,413	862	11,149	4,932	426	351	328
(g) Contingencies for temporary staff for C. G. T. Depots.	..	..	..	24	4	2	10	40	325	..	..	..
	
	..	..	..	..	..	41	..	41	..	..	..	..
Total	1,537	1,595	3,926	6,352	3,734	3,895	1,057	21,596	5,447	531	480	1,098	

Budget heads.	Nadia.		Midnapore.		Direction (Development Circle.)		Total Development Circle.		Chittagong Hill Tracts.		Chittagong.		Dacca- Mymen- singh.		Sunder- bans.		Direction (South.)		Total Southern Circle.		Grand Total.	
	Rs.	14	Rs.	15	Rs.	16	Rs.	17	Rs.	18	Rs.	19	Rs.	20	Rs.	21	Rs.	22	Rs.	23	Rs.	24
10—FOREST—contd. Expenditure—contd. B—Establishment—contd. Brought forward .. { C V	13,260	42,185	49,902	3,910	7,584	9,189	14,564	85,149	1,84,797	3,06,612	7,76,164	..	..	..	..	..	..	..
4.—Contingencies— (a) Stationery .. { C V	25	..	..	..	12	..	..	..	..	..	..	..	..	..	..	..	..
(b) Carriage of tents and re- cords. { C V	51	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(c) Rents, rates and taxes .. { C V
(d) Official postage .. { C V	201	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(e) Sundries .. { C V
(f) Purchase of books .. { C V
(g) Contingencies for tempo- rary staff for C.G.I. Depots. { C V
Total .. { C V	2,001	..	..	2,705	..	..	4,675	1,794	..	..	3,094	..	..	2,722	..	43,180	..

Budget heads.	1	2	3	4	5	6	7	8	9	10	11	12	13
		Darjeeling.	Kalimpong.	Kurseong.	Dinabhan (North.)	Buxa.	Jalpailguri.	Bongal Forest School.	Total Northern Circle.	General Direction.	Silvicultural.	Working Plans.	Utilisation.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST—contd. Expenditure—contd. B—Establishment—contd.													
5.—Losses	{ C .. { V	..	..	..	..	..	..	..	..	..	..	..	..
6.—Grants-in-aid, Contributions, etc.—		..	49	..	..	..	..	..	49	..	..	..	..
Grants for Mapping	{ C .. { V	..	..	..	..	..	..	..	..	..	..	..	..
7.—Charges on account of Bengal Forest School.	{ C .. { V	..	..	..	..	..	..	..	..	..	..	..	..
8.—Add—Establishment charges payable to other Governments, Departments, etc.	{ C .. { V	..	..	..	..	..	..	..	..	..	..	..	..
9.—Deduct—Establishment charges recoverable from other Governments, Departments, etc.	{ C .. { V	..	..	..	..	..	..	..	..	..	..	..	..
		—592	..	..	..	—492	—2,680	—399	—4,163	..	..	..	..
Total B—Establishment	{ C .. { V	60,357	49,541	73,850	34,904	98,774	80,220	22,492	4,20,228	29,025	13,149	8,710	17,206
		..	..	10,076	13,598	10,021	..	..	33,695	23,785	12,656	9,063	7,189
		..	..	73,850	34,904	98,774	80,220	22,492	4,20,228	29,025	13,149	8,710	17,206
	

*Details not received, vide Nos. TE(For.)—965, dated 22nd October 1949. TE(For.)—1051, dated 5th November 1949, and TE(For.)—1147, dated 25th November 1949.

Budget heads.	Nadia.	Midnapore.	Direction (Development Circle.)	Total Development Circle.	Chittagong Hill Tracts.	Chittagong.	Dacca- Mymen- singh.	Sunder- bana.	Direction. (South.)	Total Southern Circle.	Grand Total.
1	14	15	16	17	18	19	20	21	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST—contd. Expenditure—contd. B—Establishment—contd.											
5.—Losses { C V	..	..	..	..	..	..	..	..	..	..	..
6.—Grants-in-aid, contributions, etc.— ● Grants for mapping { C V	..	..	..	..	..	20,000	..	..	..	20,000	20,000
7.—Charges on account of Bengal Forest School. { C V	..	..	..	..	..	..	..	..	..	..	..
8.—Add—Establishment charges { C payable to other Govern- { V ments, Departments, etc. {	..	..	..	..	..	..	..	..	..	..	..
9.—Deduct—Establishment charges { C recoverable from other { V Governments, Depart- { ments, etc. {	..	..	..	..	..	..	..	..	..	..	..
Total B—Establishment { C V	..	..	13,260 9,363	42,168 48,428	52,607 ..	3,927 1,64,643 1,170*	7,584 52,350	9,189 1,03,493	14,564 20,058	87,871 3,40,549 1,170*	1,87,519 8,38,230 4,712*

*Details not received, vide Nos. TE(For.)—955, dated 22nd October 1949, TE(For.)—1051, dated 5th November 1949, and TE(For.)—1147, dated 25th November 1949.

Budget Heads.	1	Darjeeling.	Kalimpong.	Kurseong.	Direction (North.)	Ruxs.	Jalpaiguri.	Bengal Forest School.	Total Northern Circle.	General Direction.	Agricultural.	Working Plan.	Utilisation.
		2	3	4	5	6	7	8	9	10	11	12	13
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST—contd.													
Expenditure—contd.													
Special Development Programme—													
(1) Afforestation in the district of Nadia.	
(2) Rehabilitation on existing Government Forests.		645	..	..	..
(3) Provision for training of technical and other personnel.		5,941	..	3,922	..	18,699	5,360	..	33,922	..	..	10,091	..
(4) Conservation of private forests and afforestation of private lands.		30,146	..	..	..
(5) Creation of a soil conservation circle.		2,439	..	..	..
(6) Improvement of communication on buildings and water supply in Government Forest.		1,202	7,911	18,916	1,273	15,392	11,356	25,364	31,414	..	..	..	..
(7) Deduct—Amount transferred to Circle.	
(8) Add—Amount transferred from Circle.	
Total F		7,148	7,911	22,938	1,273	34,091	16,716	25,364	1,15,396	33,230	..	10,091	..

A.—Conservancy and Works	.. { C	33,011	..	31,490	..	1,72,343	..	2	..	90,774	..	55,374	..	1,139	..	4,14,633	..	564*	..	1,432	..	3,187	..	4,993
B.—Establishment	.. { C	10,076	..	13,598	..	10,021	33,695	..	23,785	..	12,656	..	9,063	..	7,189
	.. { V	60,857	..	48,541	..	73,850	..	34,964	..	98,774	..	80,220	..	22,492	..	4,20,228	..	29,025	..	13,149	..	8,710	..	17,206
																		3,542*						
C.—Interest on Capital	.. { C	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	.. { V	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
D.—Charges in England	.. { C	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10,913	..	..	..	..	..
	.. { V	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11,884	..	..	..	..	..
E.—Loss or gain by exchange on (C Home transactions other { than stores.	.. { C	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	.. { V	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
F.—Special Development Programme.	Pro- { C	22,838	..	1,273	..	34,091	..	16,716	..	25,364	..	1,15,336	..	33,230	10,091
	.. { V	7,143	..	7,911	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total 10—Forest	.. { C	10,076	..	13,598	..	10,021	33,695	..	34,698	..	12,656	..	9,063	..	7,189
	.. { V	1,00,511	..	88,942	..	2,69,031	..	36,269	..	2,23,639	..	1,52,310	..	48,995	..	9,50,197	..	74,139	..	14,531	..	21,988	..	22,199
																		4,106*						

*Details not received, *vide* Nos. TE (For.)—955, dated 22nd October 1949, TE (For.)—1052, dated 5th November 1949, and TE (For.)—1147, dated 25th November 1949.

FORM No. 24.

[Paragraph 42.]

Annual Statement of Revenue of the Forest Department, Bengal, for the year 1947-48 (Post-Partition—from 15th August 1947 to 31st March 1948).

Budget heads.	Darjeeling.	Kalimpong.	Kurseong.	Dinapore (North.).	Buxa.	Jalpaiguri.	Bengal Forest School.	Total Northern Circle.	General Direction.	(From January 1948.)				Total General Direction Circle.
	2	3	4	5	6	7	8	9	10	11	12	13	14	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
X—FOREST (Revenue).														
I.—Timber and other produce removed from the forests by Government Agency—														
(a) Timber	3,127	14,079	3,49,151	..	32,339	55,862	16	4,55,474	..	..	..	..	..	..
(b) Firewood and charcoal	1,494	629	49,218	..	665	2,494	..	54,500	..	..	..	..	..	..
(c) Bamboos	..	..	39	..	..	..	..	39	..	..	..	..	..	..
(d) Grass and other minor produce	198	154	1,428	..	266	20	..	2,096	..	..	..	..	..	..
(e) Sandal wood	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total I	4,759	15,792	3,99,886	..	33,270	58,376	16	5,12,049	..	..	..	..	..	..
II.—Timber and other produce removed from the forests by consumers or purchasers—														
(a) Timber	43,438	1,67,190	16,382	..	11,10,212	11,09,539	..	24,47,261	..	..	..	..	..	..
(b) Firewood and charcoal	39,172	52,082	30,002	..	86,853	1,49,842	..	3,57,901	..	..	..	..	..	..
(c) Bamboos	1,745	9,835	901	..	2,205	452	..	15,138	..	..	..	..	..	..
(d) Grazing and fodder grass	7,219	4,822	1,540	..	607	661	..	14,389	..	..	..	..	..	..
(e) Other minor produce	6,682	4,029	2,536	..	7,846	9,717	..	31,360	..	..	..	..	..	..
(f) Commutation fees	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(g) Other items	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total II	98,206	2,88,508	51,901	..	12,07,728	12,70,211	..	28,66,549	..	..	..	..	..	..

III.—Drift and waif wood and confiscated forest produce.	..	227	..	..	9,506	292	..	10,025	..	..	..	..	..
IV.—Revenue and forests not managed by Government—	..	..	..	..	..	..	..	..	..	..	..	..	..
(a) Duty on foreign timber and other forest produce.	..	..	..	..	..	..	..	..	..	..	..	..	..
(b) Revenue from shared and private forests.	..	..	..	..	..	..	..	..	..	..	..	..	..
Total IV	..	..	..	..	..	..	..	..	..	..	..	..	..
V.—Miscellaneous—	..	..	..	..	..	..	..	..	..	..	..	..	..
(a) Fines and forfeitures	273	..	698	..	..	1,800	..	2,771	..	..	..	..	..
(b) Other sources	13,105	6,548	19,516	49	23,132	45,779	2,607	1,10,736	21	..	6	..	37
(c) Receipts (including rent) realised from works.	330	837	580	..	407	1,581	362	4,147	..	..	..	..	..
(d) Sale of forest produce purchased from trade.	1,228	..	..	..	41,671	..	..	42,899	..	..	..	..	..
Total V	14,986	7,355	20,794	49	65,210	49,160	2,969	1,60,553	21	..	6	..	27
VI.—Receipts in England—	..	..	..	..	..	..	..	..	..	..	..	..	..
High Commissioner	..	..	..	..	..	..	..	..	49	..	..	..	49
VII.—Loss or gain by exchange	..	..	..	..	..	..	..	..	-49	..	..	..	-49
VIII.—Deduct—Refund	..	-24	..	..	-953	..	..	-993	..	..	..	..	..
Total X—Forest	1,17,985	2,61,885	4,72,531	49	13,14,756	19,78,089	2,985	35,48,133	21	..	6	..	27
Total Expenditure	1,40,281	1,55,421	4,38,501	72,421	4,00,728	4,13,550	27,375	16,48,275	66,545	17,329	12,100	13,879	1,09,856
Surplus	..	1,06,467	34,030	..	9,14,030	9,64,489	..	18,90,908*	..	..	..	..	..
Deficit	22,346	..	..	72,372	..	..	24,390	..	66,524	17,329	12,094	13,879	1,09,826

*Net surplus.

Budget heads.	Allpore Direction.	(Up to December 1947.)				24-Parganas.	Midnapore.	Central.	Bankura.	Total Southern Circle.	Grand Total.
		Silvicultural.	Working Plans.	Utilisation.							
1	15	16	17	18	19	20	21	22	23	24	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
X—FOREST (Revenue).											
I.—Timber and other produce removed from the forests by Government Agency—											
(a) Timber	21	..	..	..	..	21	4,55,495
(b) Firewood and charcoal	54,500
(c) Bamboos	39
(d) Grass and other minor produce	2,036
(e) Sandal wood
Total I	21	..	..	..	..	21	5,12,070
II.—Timber and other produce removed from the forests by consumers or purchasers—											
(a) Timber	68,574	..	..	..	..	68,574	25,15,835
(b) Firewood and charcoal	38,367	..	..	..	..	38,367	8,96,268
(c) Bamboos	15,138
(d) Grazing and fodder grass	14,889
(e) Other minor produce	13,465	..	153	..	..	13,623	44,983
(f) Commutation fees
(g) Other items
Total II	1,20,406	..	158	..	..	1,20,564	29,87,113

III.—Drift and waif wood and confiscated forest produce.	..	..	..	..	282	..	..	282	10,307
IV.—Revenue from forests not managed by Government—	..	..	..	..	..	..	..	..	..
(a) Duty on foreign timber and other forest produce.	..	..	..	..	..	..	..	..	..
(b) Revenue from shared and private forests.	..	..	..	..	..	..	..	..	..
Total IV	..	..	..	..	..	..	..	..	..
V.—Miscellaneous—	..	..	..	..	..	..	..	..	..
(a) Fines and forfeitures	..	..	..	..	..	..	..	..	2,771
(b) Other sources	..	..	230	..	15,663	18	404	16,315	1,27,078
(c) Receipts (including rent) realised from works.	..	..	..	..	..	514	320	834	4,981
(d) Sale of forest produce purchased from trade.	..	..	2,304	..	..	..	..	2,304	45,203
Total V	..	..	2,534	..	15,663	532	724	19,453	1,80,033
VI.—Receipts in England—	..	..	..	..	..	..	..	..	..
High Commissioner	..	..	..	..	..	..	..	..	49
II.—Loss or gain by exchange	..	..	..	..	..	..	..	..	—49
I.—Deduct—Refund	..	..	..	..	..	..	..	..	—983
Total X—Forest	..	..	2,534	..	1,36,372	532	882	1,40,320	36,83,530
Total expenditure	46,476	14,643	13,707	15,808	2,78,917	..	4,270	4,03,949	21,62,077
Surplus	..	..	..	..	..	532	..	..	15,20,453
Deficit	46,476	14,643	11,173	15,808	1,42,545	..	3,338	2,63,620*	..

*Net deficit

FORM No. 24—concd.
Annual Statement of Expenditure of the Forest Department, Bengal, for the year 1947-48 (Post-Partition—from 15th August 1947 to 31st March 1948).

Budget Heads.	(From January 1943.)													Total General Direc- tion Circle.
	Darjee- ling.	Kalmi- pung.	Kur- seong.	Direction (North.)	Buxa.	Jalpa- guri.	Bengal Forest School.	Total Northern Circle.	General Direc- tion.	Stic- tural.	Working Plans.	Utilisa- tion.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
10—FOREST (Expenditure).														
A—Conservancy and Works.														
I.—Timber and other produce removed from the forest by Government Agency—														
(a) Timber	.. 41	23,923	2,37,413	..	31,821	42,187	..	3,35,365	..	..	..	..	..
(b) Firewood and charcoal	5,239	1,231	44,440	..	85,559	1,564	..	89,073	..	..	..	..	..
(c) Bamboos	..	..	..	..	..	..	..	..	..	..	..	..	..
(d) Grass and other minor produce.	298	10	1,350	..	30,620	44	..	32,331	..	..	..	..	..
(e) Sandal wood	..	..	..	..	..	..	..	..	..	..	..	..	..
(f) Customs duty on imported stores.	..	..	..	..	..	..	..	..	..	..	..	..	..
Total I	5,578	25,173	2,88,243	..	98,000	43,775	..	4,55,760	..	..	..	..	..
11.—Timber and other produce removed from the forests by consumers and purchasers.														
(a) Customs duty on imported stores.	3,695	7,539	350	..	11,800	10,111	..	33,495	..	..	..	..	..
Total II	3,695	7,539	350	..	11,800	10,111	..	33,495	..	..	..	..	..

Budget Heads.	Darjeeling.	Kalinpong.	Kurseong.	Dingyong (North.)	Buxa.	Jalpaiguri.	Bongal Forest School.	Total Northern Circle.	General Direction.	(From January 1948.)				Total General Direction Circle.
										Silvicultural.	Working Plans.	Utilisation.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
10—FOREST (Expenditure)— <i>contd.</i>														
A—Conservancy and Works— <i>contd.</i>														
III.—Constructions, purchase, maintenance, repairs, etc.—														
(a) Cattle .. { C	..	..	..	..	..	..	..	..	..	..	..	..	..
(b) Feed and keep of cattle { C	..	655	270	..	1,100	790	..	2,515	..	..	..	..	..
(c) Stores, tools and plant { C	10,776	4,900	4,904	..	22,359	10,440	970	54,049	859	2,378	790	—41	8,986	
(d) Roads and bridges .. { C	..	12,492	8,378	..	33,650	8,389	..	75,973	..	..	..	..	..
(e) Buildings .. { C	15,564	..	25,130	..	39,716	12,579	2,002	1,10,323	..	..	..	..	..
(f) Other works .. { C	14,711	10,188	..	..	..	..	1,408	17,511	..	..	..	..	..
(g) Customs duty on imported stores. { C	850	3,163	912	..	9,205	1,513	..	..	..	..	..	..	..
(h) Compensation for land and rights. { C	..	..	..	..	..	..	..	..	..	..	..	..	..
Total III .. { C	41,901	37,398	39,994	..	1,06,030	34,111	4,840	2,64,274	859	2,378	790	—41	3,986	

Budget heads.	Allpore Direction.	(Up to December 1947.)			24 Parganas.	Midnapore.	Central.	Bankura.	Total Southern Circle.	Grand Total.
		Silvicultural.	Working Plans.	Utilisation.						
1	15	16	17	18	10	20	21	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST (Expenditure)— <i>contd.</i>										
A—Conservancy and Works— <i>contd.</i>										
III.—Constructions, purchase, maintenance, repairs, etc.—										
(a) Cattle	..	..	..	..	..	..	..	..	..	..
(b) Feed and keep of cattle	..	..	..	..	..	..	..	..	..	..
(c) Stores, tools and plant	888	15	531	..	5,275	..	..	12,137	18,896	77,531
(d) Roads and bridges	..	..	..	..	..	..	..	..	..	78,973
(e) Buildings	..	..	..	..	31,063	..	..	..	31,063	1,41,389
(f) Other works	..	..	..	..	1,000	..	5	97	1,102	18,613
(g) Customs duty on imported stores.	..	..	..	..	..	..	..	..	..	..
(h) Compensation for land and fixtures.	..	..	..	..	..	..	..	..	..	..
Total III	888	15	531	..	37,338	..	5	12,234	51,061	3,19,321

Budget Heads.	Darjeeling.	Kalmipong.	Kurseong.	Dinrajan (North.)	Bura.	Jalpaiguri.	Bengal Forest School.	Total Northern Circle.	General Direction.	(From January 1948.)			Total General Direction Circle.
										Shikshakul-tural.	Working Plans.	Utilisation.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST (Expenditure)—contd.													
A—Conservancy and Works—contd.													
IV.—Conservancy and Regeneration—													
(a) Maintenance of boundaries { C V	.. 929	.. 1,985	.. 1,275	..	.. 2,550	.. 1,955	..	.. 8,694	..	..	..	..	..
(b) Regeneration { C V	.. 9,884	.. 9,311	.. 24,597	..	.. 22,039	.. 12,393	..	.. 78,524	..	.. 1,013	..	..	.. 1,613
(c) Fire protection { C V	.. 2,683	.. 384	.. 2,089	..	.. 2,020	.. 1,255	..	.. 8,436	..	..	..	..	..
(d) Other works { C V	.. 969	.. 5,702	.. 499	..	.. 17,891	.. 14,100	..	.. 39,161	..	..	..	..	..
(e) Survey { C V	..	..	..	..	..	..	..	..	..	..	..	..	..
(f) Customs duty on imported stores.	..	..	..	..	..	..	..	..	..	..	..	..	..
(g) Compensation for land and rights.	..	..	..	..	..	..	..	..	..	..	..	..	..
Total IV { C V	.. 13,970	.. 17,382	.. 28,760	..	.. 44,500	.. 30,203	..	.. 1,34,816	..	.. 1,613	..	..	.. 1,613

Budget Heads.	Alipore Direction.	(Up to December 1947.)				Midnapore.	Central.	Bankura.	Total Southern Circle.	Grand Total.
		16	17	18	24-Parganas.					
1	15	16	17	18	19	20	21	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST (Expenditure)—contd.										
A—Conservancy and Works—contd.										
IV.—Conservancy and Regeneration—										
(a) Maintenance of boundaries $\begin{Bmatrix} C \\ V \end{Bmatrix}$	..	..	..	..	..	..	..	..	..	..
(b) Regeneration $\begin{Bmatrix} C \\ V \end{Bmatrix}$	..	505	..	..	..	..	393	485	1,883	81,520
(c) Fire protection $\begin{Bmatrix} C \\ V \end{Bmatrix}$	..	..	..	..	..	..	..	..	..	..
(d) Other works $\begin{Bmatrix} C \\ V \end{Bmatrix}$	..	..	..	..	..	..	..	..	..	..
(e) Survey $\begin{Bmatrix} C \\ V \end{Bmatrix}$	..	..	..	..	..	..	..	..	..	..
(f) Customs duty on imported stores. $\begin{Bmatrix} C \\ V \end{Bmatrix}$	..	..	..	..	..	..	..	..	..	..
(g) Compensation for land and rights. $\begin{Bmatrix} C \\ V \end{Bmatrix}$	..	..	..	..	..	..	..	..	..	..
Total IV $\begin{Bmatrix} C \\ V \end{Bmatrix}$	..	505	..	..	..	..	393	485	1,883	1,87,811

Budget Heads.	Alipore Direction.	(Up to December 1947.)				24-Parganas.	Midnapore.	Central.	Bankura.	Total Southern Circle.	Grand Total.
		Working Plans.		Utilisation.							
		Silvicultural.	Rs.		Rs.						
1	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
10—FOREST (Expenditure)— <i>cont'd.</i>											
A—Conservancy and Works— <i>cont'd.</i>											
V.—Miscellaneous—											
(a) Drift and waif wood and confiscated forest produce.	{ C	..	..	..	2	..	..	..	..	2	2
(b) Revenue from forests not managed by Government.	{ V	..	..	..	..	..	..	..	..	..	..
(c) Rent of forests and payments to shareholders in forests managed by Government.	{ V	..	..	..	..	..	..	..	..	..	..
(d) Law charges	{ C	..	..	..	89	..	..	..	..	89	290
(e) Dearness allowance	{ V	..	..	..	304	..	..	..	..	304	304
(f) Clothing	{ C	28	63	-3,367	1,540	..	77	300	-1,359	7,713	7,713
(g) Other charges	{ V	288	27	..	39	..	..	1,176	1,530	4,695	4,695
(h) Working plans	{ C	152	532	..	..	..	..	..	684	4,084	4,084
(i) Custom duty on imported stores.	{ V	..	..	..	..	..	..	..	..	..	..
(j) Purchase of forest produce from trade or from purchasers of standing trees.	{ V	..	..	..	..	..	..	..	..	..	..
Total V	{ C	468	622	-3,367	1,974	..	77	1,476	1,250	6,06,074	6,23,162

Budget Heads.	Darjeeling.	Kalinpong.	Kurseong.	Dingyong.	Buxa.	Jalpaiguri.	Bengal Forest School.	Total Northern Circle.	General Direction.	(From January 1948.)			Total General Direction Circle.
										Silvicultural Plans.	Working Plans.	Utilisation.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.

	20,210	19,577	29,048	..	39,777	24,435	1,737	1,33,784	..	2,174	1,327	724	4,225
	..	..	..	..	7,464	5,475	..	30,839	..	..	..	1,070	5,036
	4,025	4,010	4,687	3,929	..	..	..	..	..	..	..	..	..
	..	..	..	13,549	14,307	9,363	..	50,173	11,130	..	537	2,313	13,980
	4,104	3,162	5,688	..	..	..	..	..	..	..	..	184	1,158
	..	845	2,342	2,063	3,330	2,274	..	12,208	854	79	36	..	..
	1,364	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	738	..	..	738	..	..	..	..	..

	..	..	..	..	6	13	..	23	..	..	..	..	..

	..	..	..	..	..	765	..	765	..	..	..	..	..
Total 2	29,707	27,594	40,765	19,531	65,922	42,325	2,980	2,25,530	14,264	3,093	2,746	4,291	24,394

10—FOREST (Expenditure)—contd.

B—Establishment—contd.

2.—Pay of establishment—

(a) Subordinate Forest and Depot Establishment. { C V

(b) Office establishment .. { C V

(c) Temporary establishment { C V

(d) Leave allowance .. { C V

(e) Sub-Assistant Surgeon... { C V

(f) Extra cost in leave vacation. { C V

(g) Temporary Establishment (C for Central Government { V

Timber Depots. { V

Total 2 { C V

3.—Allowances and Honoraria—

(a) Travelling allowance	{ C V }	..	16,658	6,008	31,023	..	20,924	3,066	1,05,788	5,280	2,836	700	1,131	9,947
(b) Other allowances	{ C V }	..	..	..	..	..	..	..	..	..	..	..	..	..
(c) Cost of passage, etc.	{ C V }	..	2,550	3,886	325	..	421	346	14,437	3,307	920	648	964	5,889
(d) Dearness allowance	{ C V }	..	..	..	..	..	..	..	..	972	..	..	..	972
(e) Allowances to temporary staff for Central Government Timber Depots.	{ C V }	20,025	10,197	8,210	29,816	..	22,006	3,633	1,17,004	4,509	1,632	1,788	2,092	10,021
Total	{ C V }	37,830	38,405	18,104	61,184	..	43,699	7,045	2,37,577	14,068	5,388	3,136	4,187	26,779

4.—Contingencies—

(a) Stationery	{ C V }	..	20	..	..	..	..	..	..	..	..	..	..	..
(b) Carriage of tents and records.	{ C V }	..	60	..	..	..	..	..	..	..	..	..	..	1,169
(c) Rents, rates and taxes	{ C V }	..	..	7	..	..	..	..	..	..	..	..	..	..
(d) Official postage	{ C V }	297	197	2,783	23	..	..	..	..	..	..	..	..	289
(e) Sundries	{ C V }	..	..	..	..	..	..	..	..	..	..	..	..	..
(f) Purchase of books	{ C V }	485	600	850	975	..	1,450	200	5,983	876	200	25	450	1,551
(g) Contingencies for temporary staff for C. G. T. Depots.	{ C V }	1,548	1,201	2,480	3,118	..	3,782	1,587	17,803	701	289	258	351	1,029
Total	{ C V }	39	25	107	137	..	10	22	407	258	112	16	99	483
Total	{ C V }	2,389	2,103	7,202	5,388	..	6,245	2,188	30,745	2,175	1,355	743	1,187	5,460

Budget Heads.	Alipore Direction.	(Up to December 1947.)				Mithnapore.	Central.	Bankura.	Total Southern Circle.	Grand Total.
		Silvicultural.	Working Plans.	Utilisation.	24. Parganas.					
1	15	16	17	18	19	20	21	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Ds.	Rs.	Rs.	Rs.
16—FOREST (Expenditure)— <i>contd.</i>										
B—Establishment— <i>contd.</i>										
2.—Pay of establishment—										
(a) Subordinate Forest and Depot establishment.	..	3,015	1,693	772	18,131	..	..	2,025	20,176	1,64,185
(b) Office establishment	..	1,254	1,025	1,377	8,361	..	42	414	11,374	47,249
(c) Temporary establishment	775	..	..	..	..	..	..	..
(d) Leave allowance	1,009	..	1,010	1,073	17,561	81,714
(e) Sub-Assistant Surgeon	..	126	523	249	2,395	..	46	155	5,520	18,881
(f) Extra cost in leave vacancies.	733
(g) Temporary establishment for Central Government Timber Depots.	32	..	..	..	32	65
Total 2	..	4,395	4,256	5,772	25,888	..	1,098	4,267	60,663	8,13,587

Budget Heads.	(From January 1948.)													Total General Direction Circle.
	Darjeeling.	Kalimpong.	Kurseong.	Direction (North.)	Buxa.	Jalpaiguri.	Bengal Forest School.	Total North-m Circle.	General Direction.	Silvicultural.	Working Plans.	Utilisation.		
10.—FOREST (Expenditure)— <i>contd.</i> B.—Establishment— <i>concid.</i>	2	3	4	5	6	7	8	9	10	11	12	13	14	
5.—Losses	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
6.—Grants-in-aid, contributions, etc.— (Contributions for passages of officers transferred from other Governments and Departments.)	..	..	..	..	..	..	..	..	..	..	..	..	..
7.—Charges on account of Bengal Forest School.	..	..	..	..	..	..	..	..	..	..	..	..	..
8.—Add—Establishment charges payable to other Governments, Departments, etc.	..	..	..	..	..	..	..	..	..	..	..	..	..
9.—Deduct—Establishment charges recoverable from other Governments, Departments, etc.	..	..	..	..	..	..	..	..	..	..	..	..	..
	-1,312				-1,096	-5,459		-7,867						
Total B—Establishment	74,420	65,284	87,921	72,413	1,37,832	90,413	21,874	5,58,557	33,147	12,008	9,568	11,999	86,620	

Budget Heads.	1	(From January 1943.)										Total General Direc- tion Circled.		
		Darjeeling.	Kalimpong.	Kurseong.	Direction (North.)	Buxa.	Jalpaiguri.	Benzal Forest School.	Total Northern Circled.	General Direc- tion.	Silvi- cul- tural.		Working Plans.	Utilisa- tion.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
		2	3	4	5	6	7	8	9	10	11	12	13	14
10—FOREST (Expenditure)— <i>concl.</i>														
A.—Conservancy and Works $\left\{ \begin{array}{l} C \\ V \end{array} \right.$														
		65,361	90,167	3,51,230	..	2,62,794	3,14,137	5,501	10,59,715	942	..	..	..	..
											5,321	2,534	1,830	10,677
B.—Establishment $\left\{ \begin{array}{l} C \\ V \end{array} \right.$														
		74,420	63,284	87,221	72,413	1,37,932	99,413	21,874	5,53,557	53,047	..	..	..	..
											12,008	9,566	11,909	56,620
C.—Interest on Capital $\left\{ \begin{array}{l} C \\ V \end{array} \right.$														
	
	
D.—Charges in England $\left\{ \begin{array}{l} C \\ V \end{array} \right.$														
	
		24,908	..	..	..	24,908
										-12,352	..	..	..	-12,352
E.—Loss or gain by exchange on Home transactions other than stores. $\left\{ \begin{array}{l} C \\ V \end{array} \right.$														
	
	
Total 10—Forest $\left\{ \begin{array}{l} C \\ V \end{array} \right.$														
		1,40,281	1,55,421	4,38,501	72,421	4,00,726	4,13,550	27,375	16,43,275	60,545	17,329	12,100	13,879	1,09,853

Budget Heads.	Alipore Direction.	(Up to December 1947.)				24-Parganas.	Midnapore.	Central.	Bankura.	Total Southern Circle.	Grand Total.
		Silvicultural.	Working Plans.	Utilisation.							
1	15	16	17	18	19	20	21	22	23	24	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
10—FOREST (Expenditure)—contd.											
A.—Conservancy and Works	..	988	1,153	—3,367	2,18,684	..	..	..	14,245	2,33,070	13,33,465
B.—Establishment	..	13,655	14,455	17,074	60,229	..	..	..	16,083	1,70,879	8,16,056
C.—Interest on Capital
D.—Charges in England
E.—Loss or gain by exchange on Home transactions other than stores.	24,908 —12,352
Total 10—Forest	..	14,643	15,608	13,707	2,73,917	Nil	4,270	30,324	4,03,949	21,62,077	

FORM No. 26.

[Paragraph 44.]

Revenue received and outstandings on account of Revenue during the year 1947-48.

Budget heads.	Particulars.	Outstandings at commencement of year.		Value of sales and other revenue during the year.		Total.		Amount realised during the year.		Balance due to the Department at end of the year.	
		3		4		5		6		7	
1	2	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
NORTHERN CIRCLE.											
R. I. a.	.. Sale of timber extracted departmentally	94,813	0 3	8,60,547	4 3	9,55,360	13 6	7,22,086	0 0	2,27,324	13 6
R. I. b.	.. Sale of fuel extracted departmentally	35,659	19 0	90,679	2 3	1,35,338	12 3	1,05,059	0 0	30,279	12 3
R. I. c.	.. Sale of bamboos extracted departmentally	....		39	0 0	39	0 0	39	0 0	....
R. I. d.	.. Sale of grass and other minor produce extracted departmentally	94	5 0	5,117	3 0	5,211	8 0	4,446	0 0	765	8 0
R. II. a.	.. Sale of timber extracted by consumers and purchasers	1,45,245	3 3	41,50,516	1 3	43,95,761	4 6	27,67,947	0 0	15,27,814	4 6
R. II. b.	.. Sale of firewood and charcoal extracted by consumers and purchasers	18,529	5 6	5,33,858	7 6	5,57,387	13 0	4,59,762	0 0	97,625	13 0
R. II. c.	.. Sale of bamboos extracted by consumers and purchasers	174	0 0	17,239	9 6	17,413	9 6	17,341	0 0	72	9 6
R. II. d.	.. Sale of grazing and fodder grass	..		22,623	0 0	22,623	0 0	22,623	0 0	....
R. II. e.	.. Sale of other minor produce	3,329	4 0	43,805	12 0	52,134	0 0	51,959	0 0	175	0 0
R. II. f.	.. Commutation fees	....		....		....		....		....
R. II. g.	.. Sale of other items	....		....		....		....		....
R. III.	.. Sale of drift and waif wood and confiscated forest produce	140	0 0	11,353	9 0	11,493	9 0	10,672	0 0	821	9 0
R. V. a.	.. Fines and forfeitures	..		2,771	0 0	2,771	0 0	2,771	0 0	....
R. V. b.	.. Other sources	100	15 0	1,34,376	1 0	1,34,477	0 0	1,34,475	0 0	2	0 0
R. V. c.	.. Receipts (including rent) realised from works	..		7,105	0 0	7,105	0 0	7,105	0 0	....
R. V. d.	.. Sale of forest produce purchased from trade	....		1,12,277	0 0	1,12,277	0 0	1,12,277	0 0	....
R. VI.	.. Receipts in England	..		....		....		....		....

B. VII.	Loss or gain by exchange	....	....	....	....	....	....	....	....
B. VIII.	Deduct—Refund	....	....	—24,581 0 0	—24,581 0 0	—24,581 0 0	—24,581 0 0	....	....
	Total Northern Circle	2,98,055 4 0	50,86,727 1 9	62,84,812 5 9	43,90,931 0 0	18,84,881 5 9			
SOUTHERN CIRCLE.									
B. I. a.	Sale of timber extracted departmentally	....	21 0 0	21 0 0	21 0 0	....	....	....	....
B. I. b.	Sale of fuel extracted departmentally	....	....	....	....	....	....	....	....
B. I. c.	Sale of bamboos extracted departmentally	....	....	....	....	....	....	....	....
B. I. d.	Sale of grass and other minor produce extracted departmentally	....	....	....	....	....	....	....	....
B. II. a.	Sale of timber extracted by consumers and purchasers	....	83,515 0 0	83,515 0 0	83,515 0 0	....	....	....	....
B. II. b.	Sale of firewood and charcoal extracted by consumers and purchasers	....	54,264 0 0	54,264 0 0	54,264 0 0	....	....	....	....
B. II. c.	Sale of bamboos extracted by consumers and purchasers	....	....	....	....	....	....	....	....
B. II. d.	Sale of grazing and fodder grass	....	....	....	....	....	....	....	....
B. II. e.	Sale of other minor produce	....	25,326 0 0	25,326 0 0	25,326 0 0	....	....	....	....
B. II. f.	Commutation fees	....	....	....	....	....	....	....	....
B. II. g.	Sale of other items	....	....	....	....	....	....	....	....
B. III.	Sale of drift and waif wood and confiscated forest produce.	....	376 0 0	376 0 0	376 0 0	....	....	....	....
B. V. a.	Fines and forfeitures	....	....	....	....	....	....	....	....
B. V. b.	Other sources	....	22,613 0 0	22,613 0 0	22,613 0 0	....	....	....	....
B. V. c.	Receipts (including rent) realised from works	....	834 0 0	834 0 0	834 0 0	....	....	....	....
B. V. d.	Sale of forest produce purchased from trade	....	2,304 0 0	2,304 0 0	2,304 0 0	....	....	....	....
B. VI.	Receipts in England	....	....	....	....	....	....	....	....
B. VII.	Loss or gain by exchange	....	....	....	....	....	....	....	....
B. VIII.	Deduct—Refund	....	....	....	....	....	....	....	....
	Total Southern Circle	....	1,80,253 0 0	1,80,253 0 0	1,80,253 0 0	....	....	....	....

Budget heads.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during the year.	Total.	Amount realised during the year.	Balance due to the Department at end of the year.
1	2	3	4	5	6	7
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
DEVELOPMENT CIRCLE.						
B. I. a.	Sale of timber extracted departmentally ..	....	10 0 0	10 0 0	10 0 0	....
B. I. b.	Sale of fuel extracted departmentally ..	....	....	....	....	....
B. I. c.	Sale of bamboos extracted departmentally ..	....	....	....	....	....
B. I. d.	Sale of grass and other minor produce extracted departmentally ..	....	....	....	....	....
B. II. a.	Sale of timber extracted by consumers and purchasers ..	....	....	....	....	....
B. II. b.	Sale of firewood and charcoal extracted by consumers and purchasers ..	....	....	....	....	....
B. II. c.	Sale of bamboos extracted by consumers and purchasers ..	....	....	....	....	....
B. II. d.	Sale of grazing and fodder grass ..	....	....	....	....	....
B. II. e.	Sale of other minor produce ..	....	....	....	....	....
B. II. f.	Commutation fees ..	....	....	....	....	....
B. II. g.	Sale of other items ..	....	....	....	....	....
B. III.	Sale of drift and waif wood and confiscated forest produce ..	....	....	....	....	....
B. V. a.	Fines and forfeitures ..	....	....	....	....	....
B. V. b.	Other sources ..	....	1,811 0 0	1,811 0 0	1,811 0 0	....
B. V. c.	Receipts (including rent) realised from works ..	....	588 0 0	588 0 0	588 0 0	....
B. V. d.	Sale of forest produce purchased from trade ..	....	....	....	....	....
B. VI.	Receipts in England ..	....	....	....	....	....
B. VII.	Loss or gain by exchange ..	....	....	....	....	....
B. VIII.	Deduct—Refund ..	....	— 671 0 0	— 671 0 0	— 671 0 0	....
	Total Development Circle ..	....	1,738 0 0	1,738 0 0	1,738 0 0	....

GENERAL DISPOSITION.		...	...	...	...	...	...	...	...
R. I. a.	Sale of timber extracted departmentally	..	....	....	....	....	....	....	....
R. I. b.	Sale of fuel extracted departmentally	..	....	....	....	....	....	....	....
R. I. c.	Sale of bamboos extracted departmentally	..	....	....	....	....	....	....	....
R. I. d.	Sale of grass and other minor produce extracted departmentally	..	....	....	....	....	....	....	....
R. II. a.	Sale of timber extracted by consumers and purchasers	..	....	....	....	....	....	....	....
R. II. b.	Sale of firewood and charcoal extracted by consumers and purchasers.	..	....	....	....	....	....	....	....
R. II. c.	Sale of bamboos extracted by consumers and purchasers	..	....	....	....	....	....	....	....
R. II. d.	Sale of grazing and fodder grass	..	....	....	....	....	....	....	....
R. II. e.	Sale of other minor produce	..	....	....	....	....	....	....	....
R. II. f.	Commutation fees	..	....	....	....	....	....	....	....
R. II. g.	Sale of other items	..	....	....	....	....	....	....	....
R. III.	Sale of drift and waif wood and confiscated forest produce.	..	....	....	....	....	....	....	....
R. V. a.	Fines and forfeitures	..	....	....	....	....	....	....	....
R. V. b.	Other sources	..	....	33 0 0	33 0 0	33 0 0	33 0 0	33 0 0	....
R. V. c.	Receipts (including rent) realised from works	..	....	67 0 0	67 0 0	67 0 0	67 0 0	67 0 0	....
R. V. d.	Sale of forest produce purchased from trade	..	....	....	....	....	....	....	....
R. VI.	Receipts in England	..	....	....	....	....	....	....	....
R. VII.	Loss or gain by exchange	..	....	....	....	....	....	....	....
R. VIII.	Deduct—Refund	..	....	....	....	....	....	....	....
Total General Disposition		..	....	100 0 0	100 0 0	100 0 0	100 0 0	100 0 0	....
Grand Total, West Bengal		..	2,08,881 4 0	61,77,818 1 9	64,75,903 5 9	45,91,022 0 0	18,84,881 5 9		

FORM No. 27.

[Paragraph 47.]

Outstandings and liabilities on account of disburseurs for the year 1947-48. (Up to 14th August 1947).

Division.	Department Debtor.			Department Creditor.			Balance Due.	
	Opening balance.	Recoveries in cash or value of supplies and work done during the year.	Total.	Opening balance.	Payments made during the year.	Total.	To Department (outstandings).	By Department (liabilities).
1	2	3	4	5	6	7	8	9
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
NORTHERN CIRCLE.								
Darjeeling Division	85,598 0 6	85,598 0 6	40 2 0	85,528 14 6	85,567 0 6	....	31 0 0
Kalimpong Division	68,177 12 9	68,177 12 9	55 0 0	68,187 11 3	68,192 11 3	14 14 6	....
Kurseong Division	2,55,219 10 3	2,55,219 10 3	1,386 5 0	2,53,934 6 3	2,55,320 11 3	101 1 0	....
Dixoneon (North)	310 0 0	310 0 0	2,931 14 0	130 0 0	3,061 14 0	2,751 14 0	....
Buxa Division	1,65,814 9 6	1,65,814 9 6	20 8 6	1,66,211 14 0	1,66,232 6 6	417 13 0	....
Jalpaiguri Division	99,776 11 0	99,776 11 0	171 9 3	1,00,100 3 0	1,00,271 13 0	495 2 0	....
West Bengal Forest School	4,230 11 0	4,230 11 0	3,105 0 0	3,090 11 0	6,165 11 0	1,935 0 0	....
Total Northern Circle	6,79,127 7 0	6,79,127 7 0	7,710 6 9	6,77,101 12 9	6,84,812 3 6	5,715 12 6	31 0 0

DEVELOPMENT CIRCLE.

..	....	9,791 1 9	9,791 1 9	693 12 0	9,780 1 9	10,473 13 9	682 12 0	....
..	....	9,130 1 0	9,130 1 0	320 0 0	9,405 1 0	9,725 1 0	595 0 0	....
..	....	38 0 0	38 0 0	....	76 0 0	76 0 0	38 0 0	....
..	....	5,716 13 0	5,716 13 0	....	5,886 13 0	5,886 13 0	170 0 0	....
..	....	29,409 0 9	29,409 0 9	2 10 3	30,035 7 9	30,038 2 0	629 1 3	....
Direction (Development Circle) ..	....	417 0 0	417 0 0	....	1,037 0 0	1,037 0 0	620 0 0	....
Total Development Circle ..	....	54,502 0 6	54,502 0 6	1,016 6 3	56,220 7 6	57,236 13 9	2,734 13 3	....
Total General Direction ..	....	959 5 0	959 5 0	141 0 0	1,032 0 0	1,173 0 0	213 11 0	....
SOUTHERN CIRCLE.								
Chittagong Hill Tracts Division ..	252 14 9	94,606 8 6	94,859 7 3	....	95,405 4 9	95,405 4 9	545 13 6	....
Chittagong Division ..	....	1,40,801 9 6	1,40,801 9 6	902 8 6	1,40,978 1 3	1,41,880 9 9	1,079 0 3	....
Dacca-Mymensingh Division ..	....	49,802 1 6	49,802 1 6	243 5 0	50,070 4 6	50,313 9 6	511 8 0	....
Sandarban Division ..	....	2,44,139 11 3	2,44,139 11 3	320 2 6	2,44,139 3 9	2,44,509 11 3	370 0 0	....
Direction (South) ..	2,335 1 3	1,224 13 9	3,559 15 0	....	1,073 1 0	1,073 1 0	....	2,486 14 0
Total Southern Circle ..	2,588 0 0	5,30,574 12 6	5,33,162 12 6	1,466 0 0	5,31,716 4 3	5,33,152 4 3	2,506 5 9	2,486 14 0
Grand Total ..	2,588 0 0	12,65,183 9 0	12,67,751 9 0	10,353 3 0	12,66,070 8 6	12,76,404 5 6	11,170 10 6	2,517 14 0

FORM No. 27.
[Paragraph 47.]
Outstandings and liabilities on account of contractors and disbursers for the year 1947-48. (From 15th August 1947 to March 1948 Final).

Division.	Department Debtor.			Department Creditor.			Balance due.	
	Operating balance.	Recoveries in cash or value of supplies and work done during the year.	Total.	Operating balance.	Payments made during the year.	Total.	To Department (outstandings).	By Department (liabilities).
1	2	3	4	5	6	7	8	9
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
NORTHERN CIRCLE.								
Darjeeling Division	31 0 0	1,72,088 10 6	1,72,088 10 6	.....	1,72,488 10 6	1,72,488 10 6	419 0 0	.....
Kalimpong Division	.....	2,17,410 10 6	2,17,410 10 6	14 14 6	2,17,725 12 0	2,17,740 10 6	330 0 0	.....
Kurseong Division	.....	4,87,255 8 0	4,87,255 8 0	101 1 0	4,88,162 7 9	4,88,263 8 9	1,008 0 9	.....
Direction (North)	..	2,379 8 0	2,379 8 0	2,751 14 0	2,718 8 0	5,470 6 0	3,090 14 0	.....
Buxa Division	.....	4,45,535 3 0	4,45,535 3 0	417 13 0	4,46,208 0 0	4,46,625 13 0	1,090 10 0	.....
Jalpaiguri Division	.....	4,22,822 5 0	4,22,822 5 0	495 2 0	4,23,412 6 0	4,23,907 8 0	1,085 3 0	.....
West Bengal Forest School	.....	7,246 3 0	7,246 3 0	1,935 0 0	7,806 3 0	9,741 3 0	2,495 0 0	.....
Total Northern Circle	31 0 0	17,54,688 0 0	17,54,719 0 0	5,715 12 6	17,58,521 15 8	17,64,237 11 9	9,518 11 9	.....
GENERAL DIRECTION	.....	1,354 0 0	1,354 0 0	213 11 0	1,366 0 0	2,079 11 0	725 11 0	.....

RESEARCH AND SOUTHERN
CIRCLE.

..	....	12,355 11 6	12,355 11 6	632 12 0	14,788 11 6	15,471 7 6	3,115 12 0	....
..	....	1,505 0 0	1,505 0 0	595 0 0	1,721 0 0	2,316 0 0	811 0 0	....
..	....	618 0 0	618 0 0	33 0 0	590 0 0	623 0 0	10 0 0	....
..	....	1,634 0 0	1,664 0 0	620 0 0	3,664 0 0	4,284 0 0	2,620 0 0	....
..	....	77,271 6 6	77,271 6 6	....	80,297 13 9	80,297 13 9	3,026 7 3	....
..	....	71,635 0 6	71,635 0 6	170 0 0	71,438 0 9	71,653 0 9	18 0 3	....
..	....	66,580 14 6	66,580 14 6	629 1 3	66,227 5 6	66,916 6 9	335 8 3	....
..	....	2,273 0 0	2,273 0 0	....	1,967 0 0	1,967 0 0	..	311 0 0
..	....	2,33,908 1 0	2,33,903 1 0	2,734 13 3	2,40,798 15 6	2,43,533 12 9	9,886 11 9	311 0 0
..	81 0 0	19,80,950 1 0	19,80,931 1 0	8,064 4 9	20,01,136 14 9	20,09,851 3 6	20,151 2 6	311 0 0
..								

